

20001218.qrp v02_n040.qrl.20001218

Date: Mon, 18 Dec 2000 19:03:11 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 2040

QRP-L Digest 2040

Topics covered in this issue include:

- 1) [86547] Murata CFU-455 Filter pinout?
by N9DD@aol.com
- 2) [86548] Re: Murata CFU-455 Filter pinout?
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- 3) [86549] Epiphyte 3 help
by "Thaire Bryant" <tbry37@ici.net>
- 4) [86550] Antenna and the cold
by bob evinger <wd9eka@arrl.net>
- 5) [86551] Warbler kits run 2 shipped!
by Joseph Everhart <n2cx@popmail.voicenet.com>
- 6) [86552] Re: Warbler kits run 2 shipped!
by John Wagner <john@neknetwork.com>
- 7) [86553] An Oscilloscope. that's my xmas wish
by "Rod Cerkoney" <n0rc@hotmail.com>
- 8) [86554] Gloucester Area QRP and Homebrewers Club
by neil tanner <ntan@crosslink.net>
- 9) [86555] Re: Antenna and the cold
by Darrel Swenson <darrel_kb0awb@tconl.com>
- 10) [86556] Re: An Oscilloscope. that's my xmas wish
by Phil Wheeler <w7ox@earthlink.net>
- 11) [86557] WTB z-11 autotuner
by n2go@arrl.net
- 12) [86558] Re: An Oscilloscope. that's my xmas wish
by "Michael Melland" <badger@vbe.com>
- 13) [86559] Re: An Oscilloscope. that's my xmas wish
by Richard Arland <rarland@earthlink.net>
- 14) [86560] Re: This week at QRPacific...
by W1R0@aol.com
- 15) [86561] Invasion of the PC clock snatchers
by "Robert P. Okas" <vintage@best.com>
- 16) [86562] Elecraft K1 # 00083 on the air
by "Jerry Scherkenbach" <jerrys@execpc.com>
- 17) [86563] Re: Invasion of the PC clock snatchers
by "Rod Cerkoney" <n0rc@hotmail.com>
- 18) [86564] Thanks - Low tx output solved
by Vic Winton <Vic.Winton@trafford-press.com>
- 19) [86565] Re: QRP+ Whacked by Static Discharge

- by "Charlie Fitts" <cfitts@neca.com>
- 20) [86566] Re: A question about RFI
by Curt Milton <wb8yyy@yahoo.com>
- 21) [86567] Re: An Oscilloscope. that's my xmas wish
by Pat Cain <pcain@onvoymail.com>
- 22) [86568] Re: The Forty Meter 'situation'
by Curt Milton <wb8yyy@yahoo.com>
- 23) [86569] Re: An Oscilloscope. that's my xmas wish
by Brian Short <k7on@earthlink.net>
- 24) [86570] Re: An Oscilloscope. that's my xmas wish
by "George, W5YR" <w5yr@att.net>
- 25) [86571] QRP-Canada Winter-Within contest
by Bruce Rattray <rattray@gpfn.sk.ca>
- 26) [86572] Re: Invasion of the PC clock snatchers
by "Larry Wise" <lewise@txwises.com>
- 27) [86573] Cub Fox: Tonight, N8IE
by Shepherd@aol.com
- 28) [86574] Re: OT: Antenna question
by Gary Lee Phillips KA9NZI <ka9nzi@arrl.net>
- 29) [86575] FS - St. Louis Vertical - 80m Coil w/collapsible pole
by "Jim Dolson" <jdolson@iserv.net>
- 30) [86576] RE: An Oscilloscope. that's my xmas wish
by Nick Kennedy <nkennedy@tcainternet.com>
- 31) [86577] Re: Invasion of the PC clock snatchers
by Paul Maciel <pmaciel@inow.com>
- 32) [86578] Re: This week at QRPacific...
by Bill Jones <kd7s@psnw.com>
- 33) [86579] Who is interested in 136Khz?
by Bill Walker <windal@azstarnet.com>
- 34) [86580] Re: Who is interested in 136Khz?
by Bob W7AVK <rsrolfne@atnet.net>
- 35) [86581] OT: qrp + front end
by Walter D Amos <walt_amos@juno.com>
- 36) [86582] 7040
by "Ron, KU7Y" <ku7y@qsl.net>
- 37) [86583] Re: A question about RFI
by "Ron, KU7Y" <ku7y@qsl.net>
- 38) [86584] Handbook and questions
by "Ron, KU7Y" <ku7y@qsl.net>
- 39) [86585] Re: 7040
by W1R0@aol.com
- 40) [86586] Re: Handbook and questions
by W1R0@aol.com
- 41) [86587] Re: A question about RFI
by "James Parsons" <res075cz@gte.net>
- 42) [86588] Re: Handbook and questions
by Richard Matthews <prm@hiwaay.net>
- 43) [86589] RE: 7040

by Nick Kennedy <nkennedy@tcainternet.com>
44) [86590] RE: Handbook and questions
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
45) [86591] RE: Handbook and questions
by "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>
46) [86592] FOX - Team Results - corrected2 -
by Bruce Rattray <rattray@gpfn.sk.ca>
47) [86593] RE: Handbook and questions
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
48) [86594] Re: Handbook and questions
by Phil Wheeler <w7ox@earthlink.net>
49) [86595] RE: Handbook and questions
by "Richoz, Lon R (MED)" <Lon.Richoz@med.ge.com>
50) [86596] Re: The Forty Meter 'situation'
by Brendan Minish <EI6IZ@oceanfree.net>
51) [86597] Alinco CJ5
by "Upton, Shawn" <SUpton@ALLEGROMICRO.com>
52) [86598] RE: 7040
by Gary Phillips KA9NZI <ka9nzi@arrl.net>
53) [86599] Re: Handbook and questions
by "Brian" <brian@iquest.net>
54) [86600] Re: Handbook and questions
by Harris Keith E CONT CNIN <harris_k@crane.navy.mil>
55) [86601] Re: Handbook and questions
by "John J. McDonough" <wb8rcr@arrl.net>
56) [86602] Re: 7040
by "Don Wilhelm" <w3fpr@arrl.net>
57) [86603] QRP 40M frequency now changed
by n2go@arrl.net
58) [86604] Re: Handbook and questions
by Jeff Stai WK6I <jstai@home.com>
59) [86605] Re: Alinco CJ5
by Phil Wheeler <w7ox@earthlink.net>
60) [86606] Re: Handbook and questions
by "Don Wilhelm" <w3fpr@arrl.net>
61) [86607] RE: Handbook and questions
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
62) [86608] Re: Handbook and questions
by "George , W5YR" <w5yr@att.net>
63) [86609] RE: Pacemaker - RF
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
64) [86610] Re: Handbook and questions
by "Rod Cerconey" <n0rc@hotmail.com>
65) [86611] Re: Handbook and questions
by Bruce Muscolino <w6toy@erols.com>
66) [86612] Re: 7040
by "Matt Finlayson" <kb9nqr@interaccess.com>
67) [86613] Re: 7040

by "Victor Blackwell" <victor@brecnet.com>
68) [86614] Re: 7040
by "Matt Finlayson" <kb9nqr@interaccess.com>
69) [86615] Re: 7040
by "Victor Blackwell" <victor@brecnet.com>
70) [86616] Balanced Feeds
by Shelly Somerville <somerville@uniserve.com>
71) [86617] FOX - Team Results -
by Bruce Rattray <rattray@gpfn.sk.ca>
72) [86618] Fw: Handbook and questions
by "Walt Amos" <k8cv@netzero.net>
73) [86619] Re: Fw: Handbook and questions
by baltimoremd@baltimoremd.com
74) [86620] Re: Handbook and questions
by "Victor Blackwell" <victor@brecnet.com>
75) [86621] Re: 7040
by "Karl F. Larsen" <k5di@zianet.com>
76) [86622] RFI
by "Stuart Rohre" <rohre@arlut.utexas.edu>
77) [86623] Re: Balanced Feeds
by "Karl F. Larsen" <k5di@zianet.com>
78) [86624] Low Power Digital stuff
by "Victor Blackwell" <victor@brecnet.com>
79) [86625] Re: Balanced Feeds
by Phil Wheeler <w7ox@earthlink.net>
80) [86626] Re: 7040
by "Victor Blackwell" <victor@brecnet.com>
81) [86627] Re: 7040
by "Victor Blackwell" <victor@brecnet.com>
82) [86628] RE: Handbook and questions
by Nick Kennedy <nkennedy@tcainternet.com>
83) [86629] Re: Handbook and questions
by "bob baxter" <rbaxter@cybertrails.com>
84) [86630] RE: Fw: Handbook and questions
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
85) [86631] RE: Handbook and questions
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
86) [86632] RE: Handbook and questions
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
87) [86633] RE: Handbook and questions
by "Brian B. Riley, N1BQ" <n1bq@wulfdn.org>
88) [86634] Re: Balanced Feeds
by Jeff <fantbb@yahoo.com>
89) [86635] Free Software
by "Victor Blackwell" <victor@brecnet.com>
90) [86636] Re: Balanced Feeds
by "John J. McDonough" <wb8rcr@arrl.net>
91) [86637] RE: [INFO NEEDED] LEDS from Mouser and solder

by Mike Gipe <mgipe@reliablemeters.com>
92) [86638] Re: QRP+ Whacked by Static Discharge
by Dan Tayloe <dtayloe@home.com>
93) [86639] NorCal 20 mods (tick/afa output)
by Marv Fagenson <k6hcj@juno.com>
94) [86640] Re: 7040
by "Karl F. Larsen" <k5di@zianet.com>
95) [86641] Re: 7040
by "Victor Blackwell" <victor@brecnet.com>
96) [86642] Re: Balanced Feeds
by Phil Wheeler <w7ox@earthlink.net>
97) [86643] Re: 7040
by "Victor Blackwell" <victor@brecnet.com>
98) [86644] Epiphyte-3 help
by "J. D. Spittle VE7QK" <jds@vcn.bc.ca>

Date: Sun, 17 Dec 2000 19:24:07 EST
From: N9DD@aol.com
To: <QRP-L@lehigh.edu>
Subject: [86547] Murata CFU-455 Filter pinout?
Message-ID: <a0.d8bc066.276eb327@aol.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hi Gang

I have "rescued" several Murata CFU-455 ceramic filters from CBs and scanner boards to use for homebrewing some simple shortwave receivers.

I am unsure of the pinout for them. Looking from the top of the filter, with the writing right-side-up, there is a single pin at the top in the center and two pins at the bottom right.

I would assume that the top pin is ground and the bottom pins are input and output (left to right). A search of the web has come up empty.

Has anyone else used these for simple receivers and have any advice?

Thanks and 72!

Tom Frisz N9DD
South Bend, IN

Date: Sun, 17 Dec 2000 16:31:21 -0800
From: Phil Wheeler <w7ox@earthlink.net>
To: N9DD@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [86548] Re: Murata CFU-455 Filter pinout?
Message-ID: <3A3D5AD9.EDB49B58@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

look here

http://www.token.com.tw/cn/filter/filter_cft1.htm

N9DD@aol.com wrote:

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boards to use for homebrewing some simple shortwave receivers.
>
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writing right-side-up, there is a single pin at the top in the center and two pins
at the bottom right.
>
> I would assume that the top pin is ground and the bottom pins are input and
output (left to right). A search of the web has come up empty.
>
> Has anyone else used these for simple receivers and have any advice?
>
> Thanks and 72!
>
> Tom Frisz N9DD
> South Bend, IN

Date: Sun, 17 Dec 2000 19:31:39 -0500
From: "Thaire Bryant" <tbry37@ici.net>
To: "QRP-L" <QRP-L@lehigh.edu>
Subject: [86549] Epiphyte 3 help
Message-ID: <200012180040.TAA14489@bajor.ici.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

I've got my Epiphyte 3 to the testing stage, and have picked up CW and garbled SSB on the receive, I don't think I did a good job on the tuning. Can anyone give me some hints on the tune up of LF oscillator, L6 and L5?

I don't have much test equipment...just a digital multimeter and another transceiver (K2, es TS940).

Thanks in advance,
Thaire W2APF

Date: Sun, 17 Dec 2000 20:27:53 -0500
From: bob evinger <wd9eka@arrl.net>
To: gary stout <pwrbase@juno.com>, wvara <wvara@butler.qrp.com>, ilmars <ilmars@egroups.com>, qrp <qrp-1@lehigh.edu>
Subject: [86550] Antenna and the cold
Message-ID: <3A3D6819.1F617F0C@arrl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Well, I spent about 3 hours out in this wonderful sunny weather(ok so it was about

8 degrees and the wind was blowing) but it was sunny and the wind generator was

a going. I got the other half of my dipole up. I literally finished the outside

work just as the sun dropped below the horizon. The hardest parts were

a. keeping the torch lit to solder the lug for the center insulator.

I ended up sticking the propane bottle in very warm water until the

bottle felt warm. That gave me enough pressure to actually have a decent flame.

b. Getting the end point up. I ended up using the CRV (4wd) to take the 20 ft extension ladder out to the volunteer tree. I wasn't

carrying

that thing 400+ feet from the barn in this weather/snow drifts and had to cut

down some scrub sassafras under the big tree so that I could get the

wire pulled up without fighting branches.

I am not sure that end is high enough. The end point is somewhere around 20 feet the center insulator is at about 45 feet. The antenna needs to

maintain

more than 15-17 feet so that the combine can get under when harvest time comes.

But I am not going to worry about trying to measure it until it warms up some.

Took quite a while finding the sweet spots on the tuner and the reactance is

a bit extreme on some bands but I was able to find reasonable loads on most of them.

I am still feeding it with coax. I have the center insulator up relative near the tower so I could make some standoffs to run up the tower and try feeding

it with balanced line again.

Total length of both sides is just under 500 foot of wire, with an angle of

around 120 degrees between the 2 legs. The other side that I put up yesterday is

around 30 foot up at the far end on it. I can't wait to see how it does but I

suspect I will be nervous during summer storms. Definitely want to rearrange

how the feed line for that antenna comes in the house.

Oh I was dressed like the pillsbury dough boy. I didnt even get cold, okay maybe

my cheeks got a little cool a couple of times but I was taking ample doses of

stepping inside every 15 minutes or so.

73

bob

--

Bob Evinger WD9EKA Marshall, Illinois
If Guns Cause Crime, Then Matches Cause Arson.

Date: Sun, 17 Dec 2000 21:57:43 -0500

From: Joseph Everhart <n2cx@popmail.voicenet.com>

To: qrp-l@lehigh.edu

Cc: njqrp@njqrp.org

Subject: [86551] Warbler kits run 2 shipped!

Message-ID: <200012180257.VAA662042@nss4.cc.lehigh.edu>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Gang,

All of the Warblers in run 2 have now been shipped. This includes all of the names on the NJQRP web site list that was last updated Dec 8. The list can be found at:

<http://www.njqrp.org/warbler/orders.html>

For reference, the last name on the list is Alan Nagel. There are some additional Warblers that will be shipped to others who have already sent in their orders but are not on the list. For those who have not yet ordered or if they may not make the "cut" in this build, don't worry. We have more parts coming and expect to be shipping the next run about the second week in January.

I'd like to express my extreme gratitude to those who assisted with the kitting this time around. We doled out the work so that it would not unduly bog anyone down. And we had a number of volunteers who did yeoman duty in turning around the kitted material in only a week. Then it took me another week to bag and ship about 250 kits. The kitting process went very smoothly all things considered due to the enthusiasm and hard work of our club members. There will be a further description of the process once I recover...

Several folks have reported building them already (including Jon Iza EA2SN!) so apparently we got things right. However it is best if you check all the parts when you receive your kit to be sure that they are all there. We ask your indulgence if something is missing. In an effort of this magnitude there are bound to be a small number of errors. If you are missing a simple part (resistor, capacitor, etc.) that you might have we ask that you not have us send a replacement. However if it is not a common part or if something irreplaceable falls in your shag rug let me know and I'll send out a replacement.

Now I can get back to Warbling!

72/73,

Joe E., N2CX

e-mail for parts questions:

n2cx@arrl.net

Date: Sun, 17 Dec 2000 22:18:23 -0500
From: John Wagner <john@neknetwork.com>
To: n2cx@popmail.voicenet.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [86552] Re: Warbler kits run 2 shipped!
Message-ID: <3A3D81FF.80D77700@neknetwork.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Joe, Dave B., George H. and anyone else involved in this endeavor;

I'm writing this to the list so it gets the airtime it deserves.

Thank you. Thank you. Thank you.

The NJQRP Club Warbler is a **wonderful** little radio. I've had an absolute blast with mine. It's a pretty easy kit to build, and it performs incredibly well. I was amazed at the success I've had with mine, working all the way to MO and OH from VT with it. The fact of the matter is, no one knows you've got a "little radio" on the air 'til you tell 'em - the Warbler has a BIG signal. ;)

Thank you for all the time, effort and hard work you put in so the QRP community can share this little treasure. Your work is appreciated.

73,

John, KB1ENS

Joseph Everhart wrote:

>
> Gang,
>
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> includes all of the names on the NJQRP web site list that was
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> are bound to be a small number of errors. If you are missing
> a simple part (resistor, capacitor, etc.) that you might have
> we ask that you not have us send a replacement. However if
> it is not a common part or if something irreplaceable falls
> in your shag rug let me know and I'll send out a replacement.
>
> Now I can get back to Warbling!
>
> 72/73,
>
> Joe E., N2CX
>
> e-mail for parts questions:
>
> n2cx@arrl.net

--

John Wagner - john@neknetwork.com
Web page: <http://www.neknetwork.com>
Personal Web page: <http://www.together.net/~jwag>

Date: Sun, 17 Dec 2000 20:34:45 -0700
From: "Rod Cerkoney" <n0rc@hotmail.com>
To: qrp-1@Lehigh.EDU, fpqrp-1@mpna.com
Subject: [86553] An Oscilloscope. that's my xmas wish
Message-ID: <F73pbKWZfEAKqBiBsbr000011c9@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Dear Santa

OK, I've been without a scope for several months, I want one. A good one! => 100Mhz, good condition, working order, cal'ed. And probes, a pair of good 1X and 10X probes. So Santa what do you and your Elves recommend and where/who should I buy it from?

It's going to have to be a used one, I checked the Tektronix & HP Web sites for current new scope prices--YEOW!

73, Rod N0RC
Fort Collins, CO

P.S. Please clean up after the Reindeer the HOA is picky about that, and outside antennas. ;-)

Get your FREE download of MSN Explorer at <http://explorer.msn.com>

Date: Sun, 17 Dec 2000 22:46:26 -0800
From: neil tanner <ntan@crosslink.net>
To: qrp-1@Lehigh.EDU
Subject: [86554] Gloucester Area QRP and Homebrewers Club
Message-ID: <3A3DB2C2.FA1AF8CB@crosslink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Greetings all-

Hotbot has changed and the GAQAHC has a new URL. It is...

http://www.angelfire.com/pe2/hott/G_QRP.html

I made most of the changes, but there will be some errors. I will be out of town for a while and won't be able to work on it until I get back.

Thanks-

Happy Christmas to all

72

de Neil wa4chq

Date: Sun, 17 Dec 2000 22:01:40 -0600
From: Darrel Swenson <darrel_kb0awb@tconl.com>
To: wd9eka@arrl.net, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [86555] Re: Antenna and the cold

Message-ID: <3A3D8C24.BD78E423@tconl.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

bob evinger wrote:

>
> Well, I spent about 3 hours out in this wonderful sunny weather(ok so it
> was about
> 8 degrees and the wind was blowing) but it was sunny and the wind
> generator was
> a going. I got the other half of my dipole up. I literally finished the
> outside
> work just as the sun dropped below the horizon. [snip]

Bob... my elmer used to insist that antennas put up in this weather had
3 or 4 db more gain than the ones put up in the summer. He had some
real creative explanations for the phenomenon!
Enjoy your new antenna... 72... Darrel... K0AWB

Date: Sun, 17 Dec 2000 19:53:37 -0800
From: Phil Wheeler <w7ox@earthlink.net>
To: n0rc@hotmail.com, QRP List <qrp-l@lehigh.edu>
Subject: [86556] Re: An Oscilloscope. that's my xmas wish
Message-ID: <3A3D8A41.E136B5F3@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Rod,

There is a well-regarded Kenwood scope out there (QST in the last year
or two). Abt \$400

Looking for a url

<http://www.arrl.org/members-only/prodrev/pdf/pr9912.pdf>

73, Phil W7OX

Date: Sun, 17 Dec 2000 23:20:16 -0500 (EST)
From: n2go@arrl.net
To: qrp-l@Lehigh.EDU
Subject: [86557] WTB z-11 autotuner

Message-ID: <Pine.LNX.4.21.0012172318570.227-1000000@valhalla.v>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Anyone have one of these and willing to let it go?
It looks like a nice match for the FT817.
73,

Jim n2go

Date: Sun, 17 Dec 2000 22:34:03 -0600
From: "Michael Melland" <badger@vbe.com>
To: <n0rc@hotmail.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [86558] Re: An Oscilloscope. that's my xmas wish
Message-ID: <002d01c068ab\$c0fd5ca0\$90824d40@0019896170>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> OK, I've been without a scope for several months, I want one. A good one!

Hi Rod,

Sort of like asking which is better a Ford or Chevy <grin>. But I'd stay with HP or Tektronix used scopes. I had a 7603 set-up until early this summer and really loved it.... all but it's size. I sold it and purchased a Tek 2335 100 MHz portable and really love it as well. It's much smaller, dual trace with delay, 100 MHz and really is pretty foolproof. What really impressed me is that when I took it to the local metrology lab they issued a NIST certificate of calibration without making any adjustments..... all the specs were still smack in the middle of the acceptable ranges. The tec told me he thought that the scope had perhaps never been used and asked where I found a "new" one.

I picked it up on "that auction site" for abt \$400. They typically go cheaper but this one was a one owner civilian version with the original probes, Instruction Manual and cover.... in absolutely perfect condition, not one blemish. Past owner wasn't a ham but purchased it new in 1984 "for fun" and for his audio hobby. Said he never really understood how to use it.... then put it in a closet until I bought it.

Sometimes even a blind squirrel finds a nut.

Mike, W9WIS

Date: Sun, 17 Dec 2000 23:42:24 -0500
From: Richard Arland <rarland@earthlink.net>
To: badger@vbe.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [86559] Re: An Oscilloscope. that's my xmas wish
Message-ID: <3A3D95B0.7E740656@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I, too, have a Tek 2335 100 MHz scope at work. It is a workhorse and has a very small footprint on the bench. It replaced a 465B that died on me.

73 Rich K7SZ

Michael Melland wrote:

>
> > OK, I've been without a scope for several months, I want one. A good one!
>
> Hi Rod,
>
> Sort of like asking which is better a Ford or Chevy <grin>. But I'd stay
> with HP or Tektronix used scopes. I had a 7603 set-up until early this
> summer and really loved it.... all but it's size. I sold it and purchased a
> Tek 2335 100 MHz portable and really love it as well. It's much smaller,
> dual trace with delay, 100 MHz and really is pretty foolproof. What really
> impressed me is that when I took it to the local metrology lab they issued a
> NIST certificate of calibration without making any adjustments..... all the
> specs were still smack in the middle of the acceptable ranges. The tec told
> me he thought that the scope had perhaps never been used and asked where I
> found a "new" one.
>
> I picked it up on "that auction site" for abt \$400. They typically go
> cheaper but this one was a one owner civilian version with the original
> probes, Instruction Manual and cover.... in absolutely perfect condition,
> not one blemish. Past owner wasn't a ham but purchased it new in 1984 "for
> fun" and for his audio hobby. Said he never really understood how to use
> it.... then put it in a closet until I bought it.
>
> Sometimes even a blind squirrel finds a nut.
>
> Mike, W9WIS

Date: Mon, 18 Dec 2000 01:20:35 EST
From: W1R0@aol.com
To: cqdx@teleport.com, qrp-1@lehigh.edu
Subject: [86560] Re: This week at QRPacific...
Message-ID: <16.651fe86.276f06b3@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 12/17/2000 3:12:16 PM Pacific Standard Time,
cqdx@teleport.com writes:

> <http://www.teleport.com/~cqdx/qrpclub.htm>

Nice site. Really like the link to Straight Key Night! I'll be on the air for
that event with the Argonaut II.

72

Jim

W1R0/7

Date: Sun, 17 Dec 2000 22:25:33 -0800 (PST)
From: "Robert P. Okas" <vintage@best.com>
To: qrp-1@lehigh.edu
Subject: [86561] Invasion of the PC clock snatchers
Message-ID: <Pine.BSF.4.21.0012172208180.878-100000@shell14.ba.best.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Folks,

I hope someone can help me out with this problem. I'm running win95
and after downloading and running the latest version of Digipan, I noticed
that the PC clock is now displayed in 24 hour format. There is no obvious
way to change display formats. The clock set window displays the time in
the 12 hour, AM/PM format. I suspect that some deeply buried system file
has been modified. Does anyone have any suggestions about what to do?

TIA,
Bob - W3CD

Date: Mon, 18 Dec 2000 01:46:25 -0600
From: "Jerry Scherkenbach" <jerrys@execpc.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Cc: "WA9TZE, Jim Akre" <jsakre@execpc.com>, "W9XU, Lon"
<Lon.Richoz@amermsx.med.ge.com>, "NK9G, Rick" <mcgaver@execpc.com>, "AE9K, Brian"
<ae9k@yahoo.com>,
"KF0CT, Chuck" <chu_r@hotmail.com>
Subject: [86562] Elecraft K1 # 00083 on the air
Message-ID: <008501c068c6\$a0a735a0\$5382cfa9@Pjerrys>

I completed my Elecraft K1 today and got it on the air late tonight.

The first QSO was on 40 mtrs with Bob, K7PVT, in Langley, WA. Bob was a 449 and so was I. He went to 250mw and I could barely copy him until the QSB changed around, then he was solid at 250mw. Thanks Bob if you're reading the mail on QRP-L.

Next was KM4LT, Ed, in Richmond, VA with a booming signal at 599 plus. He was using a FT840 at 75 watts and a vertical. Very nice copy.

The K1 went together really well, their instructions are superb, the kit is really first class. If you've been thinking about getting a K1 I would HIGHLY recommend it. Everything went together and checked out just like the manual called for. The receiver is really outstanding. The rig has a lot of really nice features. Check out www.elecraft.com for more information.

Still not done melting solder. I have a Red Hot Radio NC20 that needs a replacement toroid core for the one I broke. Talked to Dave and he said one will go out right away. Also, have a Red Hot NC40 rig to complete and an LDG QRP Tuner. Looking forward to building both.

72 & Happy Holidays to All,

Jerry N9AW

Date: Mon, 18 Dec 2000 01:48:29 -0700
From: "Rod Cerkoney" <n0rc@hotmail.com>
To: <vintage@best.com>, "qrp-l" <qrp-l@Lehigh.EDU>
Subject: [86563] Re: Invasion of the PC clock snatchers
Message-ID: <0E4Sgc0rBLSAQV6uPDV000000c09@hotmail.com>
MIME-Version: 1.0

Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Bob:

Open your control panel, and double click the "International Settings" icon. Here you set currency representation, number formats...etc., and Date & Time style format. My guess is that you will find your time style something like: HH:mm:ss, click the menu drop down and look for a style like: hh:mm:ss tt and give it a try.

73, Rod NØRC
Ft Collins CO

----- Original Message -----

From: "Robert P. Okas" <vintage@best.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Sunday, December 17, 2000 11:25 PM
Subject: Invasion of the PC clock snatchers

> Hi Folks,
>
> I hope someone can help me out with this problem. I'm running
win95
> and after downloading and running the latest version of Digipan, I
noticed
> that the PC clock is now displayed in 24 hour format. There is no
obvious
> way to change display formats. The clock set window displays the
time in
> the 12 hour, AM/PM format. I suspect that some deeply buried system
file
> has been modified. Does anyone have any suggestions about what to
do?
>
> TIA,
> Bob - W3CD
>
>
>
>
>

Date: Mon, 18 Dec 2000 13:01:42 -0000

From: Vic Winton <Vic.Winton@trafford-press.com>
To: qrp-1@lehigh.edu
Subject: [86564] Thanks - Low tx output solved
Message-ID: <C94AC5B1B413D411ABDC009027177A641CEC@TRAFFORD01>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Hi Gang,

Tnx to all who offered advice.

I found the problem - actually two problems - with my co ax leads.

One was a whisper of inner coax shorting to the braid (oh dear!) and the second was an intermittent earth connection from the co ax braid.

I recently fitted some nice new PL259 plugs with crimp braid connectors but I did not tighten up the plugs enough.

I used the FT101 to test the leads. When I fixed the leads I then tried my Alinco DX70. I was sweating a little as I thought I may have damaged the pa, but good news - full output restored !!

This has been a lesson in careful maintenance and careful troubleshooting - I have learned.

Thanks again. Once again the list excels....

Regards & Seasons greetings,

Vic Winton GW4JUN

Date: Mon, 18 Dec 2000 08:15:38 -0500
From: "Charlie Fitts" <cfitts@neca.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [86565] Re: QRP+ Whacked by Static Discharge
Message-ID: <200012181325.IAA22602@mail.neca.com>
MIME-Version: 1.0

Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Something that's worked for me here to control static electricity is a 1 meg resistor permanently connected from each side of my 300 ohm window line to ground. They're there even when I'm using the antenna and I haven't noticed any attenuation of signals due to them.

Charlie Fitts, N1EI

Date: Mon, 18 Dec 2000 05:46:58 -0800 (PST)
From: Curt Milton <wb8yyy@yahoo.com>
To: igeq100@iupui.edu, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [86566] Re: A question about RFI
Message-ID: <20001218134658.62889.qmail@web9613.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Almost anything with sensitive electronics in it can become an unintentional receiver - your CO detector just has that one method of letting you know it got the message! move this important device elsewhere and i suspect you'll be ok. remember RF decreases by the square of distance - so space is on your side!

curt wb8yyy

--- igeq100@iupui.edu wrote:

> Hi, Gang -
> First, I must confess that I went QRO (for me, that
> is - TT Scout
> at 50W). When I was having a QSO on 20 meters, our
> carbon monoxide
> detector went off. It is plugged into an outlet on
> an outside wall, and
> one of my vertical antenna radials runs right past
> it (within 3 feet, I
> would guess). Has anyone experienced stray RF
> setting off a CO detector?
> It is upsetting to have your detector telling you
> that you are
> about to be asphyxiated. An it is also difficult to
> tell the XYL to
> ignore such a loud alarm. If it is an RFI problem,
> I suspect just moving
> the device to another outlet should do the trick.
> But I am wondering if

> anyone else has experienced this problem.

>

> 72/73,

>

> Richard Meiss, WB9LPU

>

>

Do You Yahoo!?

Yahoo! Shopping - Thousands of Stores. Millions of Products.

<http://shopping.yahoo.com/>

Date: Mon, 18 Dec 2000 07:52:08 -0600

From: Pat Cain <pcain@onvoymail.com>

To: n0rc@hotmail.com

Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [86567] Re: An Oscilloscope. that's my xmas wish

Message-ID: <4.2.0.58.20001218074101.02180d40@ruby.autosim.com>

Mime-Version: 1.0

Content-Type: text/plain; charset="iso-8859-1"; format=flowed

Content-Transfer-Encoding: quoted-printable

Rod,

I have the same wish so I've been looking for used scopes on e-bay. There=20
are a lot of items available and it looks like there is a pretty constant=20
supply. Of course it's tough to determine a good price for the scope of=20
interest but I found a website that is tracking prices on e-bay.

[http://www.vaxxine.com/phil/scopes/scope\\$.htm](http://www.vaxxine.com/phil/scopes/scope$.htm)

Most of the scopes for sale don't have probes, I've heard good things about=20

<http://www.probemaster.com/>.

I haven't found any place that describes the features in the different=20
scopes. I'm going to rely on experience with scopes I've used in the past.

Good luck with your search, I hope Santa is good to you.

73,

Pat K=D8PC

At 08:34 PM 12/17/00 -0700, Rod Cercone wrote:

>Dear Santa

>
>OK, I've been without a scope for several months, I want one. A good one!=
=20
>=3D> 100Mhz, good condition, working order, cal'ed. And probes, a pair of=
=20
>good 1X and 10X probes. So Santa what do you and your Elves recommend and=
=20
>where/who should I buy it from?
>
>It's going to have to be a used one, I checked the Tektronix & HP Web=20
>sites for current new scope prices--YEOW!
>
>73, Rod N0RC
>Fort Collins, CO
>
>P.S. Please clean up after the Reindeer the HOA is picky about that, and=20
>outside antennas. ;-)
>
>-----
>Get your FREE download of MSN Explorer at <http://explorer.msn.com>

Date: Mon, 18 Dec 2000 05:58:53 -0800 (PST)
From: Curt Milton <wb8yyy@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [86568] Re: The Forty Meter 'situation'
Message-ID: <20001218135853.51953.qmail@web9602.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Overall I think we should be pleased we all do as well
within only 100kHz in common on 40m across the world!
Yes it is annoying to try to qrp on 7040 with SSB QRM.
I suspect until we get more spectrum, we got to work
our way down.

i was also annoyed by some ssb ops from a neighboring
country operating in our 80m novice band - as
beginners trying to qso don't need more QRM to
discourage them out of the hobby. it would be nice if
all ssb stayed above at least 3700 kHz !

yes it does impact qrp nets trying to operate say at
7044 but this issue is not worth "an international
crisis." it would be good, however, to at least plead
for the international community to allow us a couple

kHz at 7040 to operate but i don't know what forum to use to communicate to dx hams so they understand how we are using this small slice of spectrum!

curt wb8yyy

Do You Yahoo!?

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<http://shopping.yahoo.com/>

Date: Mon, 18 Dec 2000 14:07:52 +0000
From: Brian Short <k7on@earthlink.net>
To: qrp-l@Lehigh.EDU
Subject: [86569] Re: An Oscilloscope. that's my xmas wish
Message-ID: <4.3.2.7.2.20001218135700.00b574e0@mail.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Rod,

I'm not Santa, but here is my opinion FWIW:

I like the Tek 465 or 465B. 100MHz, dual trace, delayed sweep.
Currently, I have a 466 (465 with storage) that I like, too. Both are a comfortable size and portable.

Personally, I'd try a reputable dealer in Nuts-N-Volts rather than an online auction. Some have very reasonable pricing.

Season's Greetings, Brian

At 03:34 AM 12/18/00, you wrote:

>Dear Santa

>

>OK, I've been without a scope for several months, I want one. A good one!

>=> 100Mhz, good condition, working order, cal'ed. And probes, a pair of

>good 1X and 10X probes. So Santa what do you and your Elves recommend and

>where/who should I buy it from?

>

>It's going to have to be a used one, I checked the Tektronix & HP Web

>sites for current new scope prices--YEOW!

>

>73, Rod N0RC
>Fort Collins, CO
>
>P.S. Please clean up after the Reindeer the HOA is picky about that, and
>outside antennas. ;-)
>
>-----
>Get your FREE download of MSN Explorer at <http://explorer.msn.com>
>

--
Seek those who find your road agreeable, your personality and mind
stimulating, your philosophy acceptable, and your experience helpful.
Let those who do not, seek their own kind. -Henri Fabre

--
mailto:k7on@earthlink.net
--

Date: Sun, 17 Dec 2000 20:19:23 -0600
From: "George, W5YR" <w5yr@att.net>
To: k7on@earthlink.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [86570] Re: An Oscilloscope. that's my xmas wish
Message-ID: <3A3D742B.C83F711@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Second the notion, Brian. I got my 465B from a test equipment
retailer/lab dealer (Tucker's in Garland, TX) and got a certified,
guaranteed unit for my money. Such equipment is just too complex to risk
more than fire-sale money on something that has not been professionally
"tuned up." Not cheap, but I know what I got and have a good local place
to take it for service.

Buying any of the older Tektronix units from anyone at any price runs
the risk of the CRT going out, and they are unavailable for many of the
older units. A replacement CRT can cost much more than a good used
scope.

72/73, George W5YR - the Yellow Rose of Texas NETXQRP 6

Fairview, TX 30 mi NE Dallas in Collin county QRP-L 1373
Amateur Radio W5YR, in the 55th year and it just keeps getting better!
Icom IC-756 PRO #02121 (9/00) Kachina #91900556 (12/99) IC-765 (6/90)

Brian Short wrote:

>
> Rod,
>
> I'm not Santa, but here is my opinion FWIW:
>
> I like the Tek 465 or 465B. 100MHz, dual trace, delayed sweep.
> Currently, I have a 466 (465 with storage) that I like, too. Both
> are a comfortable size and portable.
>
> Personally, I'd try a reputable dealer in Nuts-N-Volts rather than
> an online auction. Some have very reasonable pricing.

Date: Mon, 18 Dec 2000 08:28:43 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-l@LeHigh.EDU>
Subject: [86571] QRP-Canada Winter-Within contest
Message-ID: <Pine.LNX.3.95.1001218073249.18227B-1000000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

We've been putting our collective heads together and have come up with
a possible way to put more fun into and to recognize special efforts put
in by QRP operators in the RAC Winter contest...

...this has nothing officially to do with the RAC contest; we are merely
using the contest as the vehicle to have more FUN for qrp stations!

A BIG thanks to John, VE3JC, who has provided the core idea for this
event!

For your operating pleasure, I present to you the.....

"QRP-Canada Winter-Within Contest."

Power: not over 5 watts output any mode.

Scoring, rules & exchange will be done the same way as the RAC Winter
contest. This is a separate event run by the qrpers within the RAC Winter
contest to enhance the QRP fun and recognize special QRP efforts.

Certificates (by NA6E) for worthy achievement will be awarded by a panel of
judges to those qrp operators who write up a description of their qrp
operation and post it on QRP-Canada for everyone to read and enjoy. The
judges will use these postings to award the certificates.

The panel of judges will be John, VE3JC, Ted, VE3FAL and Bruce, VE5QRP.
The judges will not be eligible for the certificates.
(the judges are past winners of the RAC Summer & Winter Contests QRP
plaque.

If you're going to be OUTSIDE then put SAFETY as your first priority.
You don't have to be outside for the entire contest unless you're
comfortable and safe doing so eh!?!.

Suggested, but not limited to, scenarios:

- (1) - using a power level of not over 950mw.
- (2) - using wire antennas only.
- (3) - an operation from a local Canada Day site with public exposure.
- (4) - most interesting foreign (off North America) operation.
- (5) - an operation using homebrew equipment which includes qrp kits,
restored qrp equipment, manhattan construction.
- (6) - a "freeze-your-buns-and-everything-else-off" expedition...
ie - hiking to a location and back.....ie - snow caving operation....
ie - operating while snow-shoeing.....ie - a qrp operation from a toboggan
and tent....***caution - watch the ice!***
- (7) - a multi-band, multi-operators operation and all it took to organize
everything, full description of qrp equipment, antennas and what happened
during the event.
- (8) - operating qrp SSB VOX, battery powered, with qsos being tape
recorded automatically, while standing on the top of a flag pole with
wire antenna hanging vertically down, in a 50 mph wind, windchill -40 dC.
- (9) - you could also be snuggled up to a warm cup of "whatever" in
your cozy hamshack, working the contest and watching old Man Winter do his
thing outside... ;-)) ...with a couple of blizzards here so far and an
average of almost 2 feet of snow in our backyard, I just might be "forced"
to do that...heh,heh,heh...
...actually the "powers that be" closed down our workplace early and
sent everyone home, on Friday because of blizzard conditions...

These are just a few suggestions and hopefully they will inspire
the creativity that we know is in the hearts of every QRPer eh!?!... ;-)

Maybe pictures could be taken and the pictures & stories could appear on

the QRP-Canada web pages.....

Mary's address for sending in your logs to is:

Mary K. Cherry - NA6E -
8383 Sierra Sunset Drive,
Sacramento, CA 95828
U.S.A.

...many thanks to Mary for volunteering to take on the Manager's job!

...so there you have it everyone...it will be what you make it...we all
think the potential is there for having a SUPER QRP time!!

...if you have any ideas please send them in...

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - SOC #11 & #12 - Whiner#10 -
"QRP! How sweet it is!" oo#148 "I am da man wit "DAH" paddle!"

Date: Mon, 18 Dec 2000 14:28:44
From: "Larry Wise" <lewise@txwises.com>
To: "qrp" <qrp-l@lehigh.edu>
Subject: [86572] Re: Invasion of the PC clock snatchers
Message-ID: <200012181430.IAA09946@aoot.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Bob:

FWIW I am running Windoze 98 and run Digipan and have not seen this...
Mine is still in the old 12 hour format....

Larry KA5T

On Sun, 17 Dec 2000 22:25:33 -0800 (PST), Robert P. Okas wrote:

...
>that the PC clock is now displayed in 24 hour format. There is no obvious
>way to change display formats. The clock set window displays the time in
>the 12 hour, AM/PM format. I suspect that some deeply buried system file
>has been modified. Does anyone have any suggestions about what to do?
...

Date: Mon, 18 Dec 2000 09:41:01 EST
From: Shephed@aol.com
To: <qrp-1@lehigh.edu>, <fpqrp-1@mpna.com>
Subject: [86573] Cub Fox: Tonight, N8IE
Message-ID: <62.a24db57.276f7c00@aol.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hey everyone!
I'll be the Cub Fox againg tonight.
I'll start at 0200Z around 7.120 +/-, then might move to 7.140 at 0300Z depending
on BC QRM.

Hope to see you all there!

72, oo
Dan, N8IE
Kettering, Oh

Date: Mon, 18 Dec 2000 08:55:15 -0600
From: Gary Lee Phillips KA9NZI <ka9nzi@arrl.net>
To: qrp-1@Lehigh.EDU
Subject: [86574] Re: OT: Antenna question
Message-ID: <3A3E2553.FFA69171@arrl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Antennas are *not* OT here, by the way.

I've used loops quite a bit, indoors and out. They work great if you
can get one up. Keeping in mind that generally, though an indoor
antenna is better than no antenna, an outdoor antenna is better than
an indoor one; and also generally, a longer antenna on HF is better

than a shorter one: yes, you can use a half-wave loop. Depending on the height above effective ground and the configuration of surrounding objects, a half-wave loop may radiate at a perpendicular to the plane of the loop (unlike a full-wave, which is supposed to radiate most in the plane of the loop.) The best thing to do may be just to try it. Even if it works in NVIS mode, it still works.

Half-wave loops are sometimes easier to match and load if they are open at a point directly opposite the feedpoint, rather than a closed circuit. You should be prepared to try that. I'd insert some kind of insulator at that spot and have a jumper with good tight alligator clips that I could attach to switch between open and closed.

I prefer balanced feed and a tuner because I like to work my antennas on multiple bands. Twinlead is fine, but try to keep from routing it near anything solid, especially anything metallic, as much as possible. Since you are talking about an indoor antenna, I assume the feed line will be pretty short, so losses shouldn't be great in any case.

No, a loop antenna is not a dead short, at least not to RF. Yes, it is a dead short to DC currents, but you aren't putting those into your antenna

or at least shouldn't be. Many types of antenna present a closed circuit to DC but have varying amounts of impedance at radio frequencies.

Getting

that impedance right is part of the antenna design and matching requirements.

Your ARRL handbook or antenna book explains all the math and theory involved.

As Joel keeps reminding us, if you think it might work, the best thing to do

is try it. Understanding the theory of the design helps, but don't be afraid

to experiment. A hundred feet of wire isn't expensive, and you can reconfigure

it many different ways until you find one that works for you.

-- Gary Phillips, Marengo, IL <mailto:ka9nzi@arrl.net>
KA9NZI, Seneca Twp., McHenry Co., IL Grid: EN52rg
QRP-L #2124 <http://www.qsl.net/ka9nzi/>

Date: Mon, 18 Dec 2000 09:56:15 -0500

From: "Jim Dolson" <jdolson@iserv.net>

To: <qrp-l@Lehigh.EDU>

Subject: [86575] FS - St. Louis Vertical - 80m Coil w/collapsible pole

Message-ID: <013501c06902\$ac79fa20\$b15fe7cd@hal>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Note: the previous sale fell through, and I don't have the e-mails of the half-dozen guys who replied to the original posting, so I'm posting it up for sale again . . .

In excellent condition, set up only once. Great for QRP portable, Field Day, or backyard operation.

Price new, shipping included, is \$93 [\$65 for 80-10m coil and \$28 for 20 foot fiberglass pole (which collapses down to four feet or so)].

Will sell, shipping included, for \$75.

See <http://www.fix.net/~jparker/w6mma.htm> for more info on the St. Louis Vertical.

Jim Dolson
wb8zbd

Date: Mon, 18 Dec 2000 09:00:33 -0600
From: Nick Kennedy <nkennedy@tcainternet.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [86576] RE: An Oscilloscope. that's my xmas wish
Message-ID: <01C068D0.FB74DC80.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Seems like about \$300 or a bit more is average for a Tek 465 or 465B. I got mine through the ebay back door a year or so ago for \$300.

(Ebay back door: You bid but don't win. Then somebody sends you an email saying I've got one I'll sell for that price. Got a sheet of 1964 Amateur Radio Commemorative stamps the same way.)

72--Nick, WA5BDU

Date: Mon, 18 Dec 2000 07:02:08 -0800
From: Paul Maciel <pmaciel@inow.com>
To: vintage@best.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [86577] Re: Invasion of the PC clock snatchers
Message-ID: <3A3E26F0.69BFD254@inow.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Bob,

According to a discussion on " rec.radio.amateur.digital.misc" the problem is with the early downloaded version of Digipan 1.5. Supposedly if you go back and download again (it is still called version 1.5!) the problem has been fixed.

I have the same problem on my machine but haven't had the chance to download and try the newest Digipan.

Happy Holidays,
---Paul AK1P

"Robert P. Okas" wrote:

> Hi Folks,
>
> I hope someone can help me out with this problem. I'm running win95
> and after downloading and running the latest version of Digipan, I noticed
> that the PC clock is now displayed in 24 hour format. There is no obvious
> way to change display formats. The clock set window displays the time in
> the 12 hour, AM/PM format. I suspect that some deeply buried system file
> has been modified. Does anyone have any suggestions about what to do?
>
> TIA,
> Bob - W3CD

Date: Mon, 18 Dec 2000 07:02:42 -0800
From: Bill Jones <kd7s@psnw.com>
To: cqdx@teleport.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [86578] Re: This week at QRPacific...
Message-ID: <3A3E2712.404EF1BC@psnw.com>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Kudos to John, K7FD, and company for another OUTSTANDING web site dedicated to QRP. This is probably the most dynamic web page I've ever seen. It seems like there is something new every time I look and I look often. Thanks John.

K7FD K7Low wrote:

>
> Our website has some very interesting pictures and links this week,
> especially a nice cw project from Bill WA7TQK and a link to Dave W0CH's
> recently revamped website!

> <http://www.teleport.com/~cqdx/qrpclub.htm>

--

Bill Jones - KD7S <><
Sanger, California
<http://www.psnw.com/~kd7s/>

Date: Mon, 18 Dec 2000 08:08:30 -0700
From: Bill Walker <windal@azstarnet.com>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [86579] Who is interested in 136Khz?
Message-ID: <00121808313300.13368@deneb>
Content-Type: text/plain
MIME-Version: 1.0
Content-Transfer-Encoding: 8bit

If the FCC allocates the proposed 136Khz band, who here is going to be interested in playing with it?
I am very interested for some reason, perhaps its the challenge of operating with a very short (for the wavelength) antenna. Considering the very low effeciency of the antennas resulting in QRP level EIRP, even when using 100-200 Watts PEP, we may have to look sideways at our rather fuzzy definition of QRP. Not trying to start a war with that last statement, just pointing out the obvious. (no fireballs please)
If you are interested in playing on 136Khz, send me a note direct, OFF THE LIST. If I get enough replies to make it interesting I'll post the results.

--
Bill Walker - KD7JZB

kd7jzb@qsl.net
<http://www.qsl.net/kd7jzb>

Date: Mon, 18 Dec 2000 07:38:55 -0800
From: Bob W7AVK <rsrolfne@atnet.net>
To: windal@azstarnet.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [86580] Re: Who is interested in 136Khz?
Message-ID: <3A3E2F8F.F359F034@atnet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bill and All - 136 is a natural for PSK31. <grin>

73 Bob W7AVK

Bill Walker wrote:

> If the FCC allocates the proposed 136Khz band, who here is going to be
> interested in playing with it?
> I am very interested for some reason, perhaps its the challenge of operating
> with a very short (for the wavelength) antenna. Considering the very low
> effeciency of the antennas resulting in QRP level EIRP, even when using 100-200
> Watts PEP, we may have to look sideways at our rather fuzzy definition of QRP.
> Not trying to start a war with that last statement, just pointing out the
> obvious. (no fireballs please)
> If you are interested in playing on 136Khz, send me a note direct, OFF THE
> LIST. If I get enough replies to make it interesting I'll post the results.
>
> --
> Bill Walker - KD7JZB
> kd7jzb@qsl.net
> <http://www.qsl.net/kd7jzb>

Date: Sun, 17 Dec 2000 20:58:48 GMT
From: Walter D Amos <walt_amos@juno.com>
To: qrp-1@lehigh.edu
Subject: [86581] OT: qrp + front end
Message-ID: <20001218.160150.-231083.1.walt_amos@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Qrp+ folks:

When I had one Larry East had an article in ARCI and one of the things to do was back to back diodes across the input to the mixer. I did that mod right away.

Walt K8CV

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<http://dl.www.juno.com/get/tagj>.

Date: Sun, 17 Dec 2000 21:12:56 -0700

From: "Ron, KU7Y" <ku7y@qsl.net>

To: QRP-L <qrp-l@Lehigh.EDU>

Subject: [86582] 7040

Message-ID: <000501c0690f\$916adee0\$68c6a9d8@com>

MIME-version: 1.0

Content-type: text/plain; charset="iso-8859-1"

Content-transfer-encoding: 7bit

Hi All,

Look in the ARRL Handbook. It shows the "gentleman's" agreement for 7040 to be both QRP and RTTY.

When we were all Xtal controlled, we always wanted more xtals so we could find a clear freq. Now we all (almost all anyway) have VFO's and still complain about someone else being on "our" watering hole! :-)

It's just a hobby folks.....no need getting upset.

One thing that might be worth trying..... change to RTTY or whatever the offending mode/contest is and join the fun!

OK, back in my hole....

cul, Ron KU7Y

Full time RVing somewhere in the West!

Date: Sun, 17 Dec 2000 21:07:14 -0700

From: "Ron, KU7Y" <ku7y@qsl.net>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [86583] Re: A question about RFI
Message-ID: <000401c0690f\$906778a0\$68c6a9d8@com>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit

Hi All,

Our CO detector went off while I was at work last summer. Carol had used some hair spray while she was too close to that little critter.

She called me and told me that she had fixed it..... she had taken the screwdriver and removed it from it's built in location. So far, so good....

Then she needed to shut the noise off. For that she chose a hammer.

Must have been a good choice of tools..... that silly thing hasn't made a sound since then!

: -)

cul, Ron KU7Y
Full time RVing somewhere in the West!

Date: Mon, 18 Dec 2000 08:54:35 -0700
From: "Ron, KU7Y" <ku7y@qsl.net>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [86584] Handbook and questions
Message-ID: <000701c0690f\$9337afa0\$68c6a9d8@com>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit

Hi All,

Reading the list in the digest mode gives one a different view of things. Here is something that I am seeing that I think needs to be addressed.

A great many of the questions that come up time after time on the list are explained in the Handbook.

This tells me something, I think.

One is that people don't have a Handbook or Two, that they don't bother to read it!

Now don't get me wrong when it comes to asking questions. This is THE place to do it. It is the one group that I know of that has people active that really know and understand the subject, no matter what it is!

BUT..... you really should, when you can, do some "research" on your own first. You need something handy to do the research and IMHO that would be the ARRL Handbook.

Before you start thinking that I work for the ARRL and am just trying to sell books for them, let me state that I am not a member of the ARRL and in fact I tend to be a rather harsh critic of theirs at times. But they are the very best publication house for amateur radio books! And their Handbook is the very best value in a reference book you will likely ever see.

If you can only afford one book, make it the Handbook. It covers very close to the whole hobby. My last one was that fancy 2000 year hardback which I LOVE.

While they are not cheap by some standards, if it was a text book sold at a collage book store, I'll bet it would be over \$100! So at less than \$40, it's a bargain.

But if you can't afford a new one, buy a used one. I can't remember having been to a swap meet (ham radio type that is) that didn't have a few older ones for sale at good prices. A GREAT question for the list might even be "Does anyone have a ARRL Handbook that they would sell for XX dollars?" Over the years I have given several away and I'm sure that many others do the same.

So get yourself a Handbook. Look around at what you can sell to raise the money for the book if you need to. That's the fire drill I go through when I want a new gun or radio or fishing rod or whatever! Mow the neighbors lawn, but do something so you can get that book!

Then read it from cover to cover. Several times. Drooling is OK! We all do that. Planning to make several projects that never get made is also OK. We all do that too!

It doesn't make much difference which edition you get. Newer is better in many ways. But I LOVE looking at those from the 50's and seeing all those great advertisements for equipment. Not only did those ads help keep the cost of the Handbook down, it gives a fantastic history of the hobby. And Ohms law is unchanged! But I guess too many people whined and cried about seeing all that "wasted" space that could have been used for something "good" and the ads were dropped. While that certainly does make the

Handbook less valuable as a source of history, it's still the best book you can own! Just be aware that the older the Handbook the fewer "new" modes and bands it will show!

For example, when I looked up band plans it shows that 7040 is QRP AND DX RTTY. So you should expect to find a LOT of RTTY stations around 7040 during a DX RTTY contest. What is DX you say?? Or what is RTTY?? The book also explains that too! :-)

OK, now I feel better! Back in my hole.....

cul, Ron KU7Y
Full time RVing somewhere in the West!

Date: Mon, 18 Dec 2000 11:40:21 EST
From: W1R0@aol.com
To: ku7y@qsl.net, qrp-1@lehigh.edu
Subject: [86585] Re: 7040
Message-ID: <5a.e9425d6.276f97f5@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Yep, works for me. Went QRP RTTY and worked alot of stations. Most of the RTTY hams don't know your are QRP they just work'em all!!!

Date: Mon, 18 Dec 2000 11:49:13 EST
From: W1R0@aol.com
To: ku7y@qsl.net, qrp-1@lehigh.edu
Subject: [86586] Re: Handbook and questions
Message-ID: <96.d975b59.276f9a09@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I agree in part with the Handbook idea. Definately for new hams working alone away from other hams should have a solid reference. I was an Elmerless ham that needed the Handbook and other books. For new hams in my area that want to just get on the air and operate I recommend the Operators Manual first and the Handbook second. I live in a city of over 1500 ham operators, and too many repeaters so advice is always available, good and bad. Many of our newer hams gets scared away from the technical side of the Handbook. And with our classes producing 70 new hams a year here we try to ease them into the

more technical aspects through speakers at the club meetings, etc. Like a car salesman that gets you in the car to take in the new car smell, I like to get them on the air to set the hook. Once hooked they'll end up getting a good Handbook. Agree even the Old Handbooks are great. My oldest Handbook is 1954! Whatever it takes to promote the hobby is my motto! Keep up the good work!

72

Jim

W1RO/7

Date: Mon, 18 Dec 2000 10:48:58 -0600
From: "James Parsons" <res075cz@gte.net>
To: <ku7y@qsl.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [86587] Re: A question about RFI
Message-ID: <00a601c06912\$6ae08240\$7c640304@dsl.vz.genuity.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Now there is a gal that knows how to shut something up. Keep that in mind the next time you give her some lip!

Jim, K5ROV

James (Jim) Parsons, K5ROV, CMSgt, USAF, Ret., Ham for 58 yrs.

k5rov@arrl.net, QCWA, ARCI, Fists, ARRL, ARMS.

EX: W1RLA, K5FBB, K4FEO, SVOWN (CRETE), SVOWN (RHODES),

DL4NC, DL4JP, KA2FC (JAPAN), KA2JP (JAPAN).

JOHN 3:16

----- Original Message -----

From: "Ron, KU7Y" <ku7y@qsl.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Sunday, December 17, 2000 22:07 PM
Subject: Re: A question about RFI

> Hi All,

>

> Our CO detector went off while I was at work last summer. Carol had used
> some hair spray while she was too close to that little critter.

>

> She called me and told me that she had fixed it..... she had taken the
> screwdriver and removed it from it's built in location. So far, so
good....

>

> Then she needed to shut the noise off. For that she chose a hammer.

>
> Must have been a good choice of tools..... that silly thing hasn't made a
> sound since then!
>
> :-)
>
> cul, Ron KU7Y
> Full time RVing somewhere in the West!
>

Date: Mon, 18 Dec 2000 10:43:27 -0600
From: Richard Matthews <prm@hiwaay.net>
To: ku7y@qsl.net, qrp-1@lehigh.edu
Subject: [86588] Re: Handbook and questions
Message-ID: <3.0.1.32.20001218104327.00c6ad30@hiwaay.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 08:54 12/18/00 -0700, you wrote:

>If you can only afford one book, make it the Handbook. It covers very close
>to the whole hobby. My last one was that fancy 2000 year hardback which I
>LOVE.

>
>cul, Ron KU7Y

.....

Is the hardbound 2000 handbook still available? If so where?

Richard WA4NWW

Date: Mon, 18 Dec 2000 10:52:02 -0600
From: Nick Kennedy <nkennedy@tcainternet.com>
To: "'ku7y@qsl.net'" <ku7y@qsl.net>, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [86589] RE: 7040
Message-ID: <01C068E0.8E462AA0.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

-----Original Message-----

From: Ron, KU7Y [SMTP:ku7y@qsl.net]

>Look in the ARRL Handbook. It shows the "gentleman's" agreement for 7040 to
>be both QRP and RTTY.

That may be true--but it seems like when I was active on RTTY all the action was up around 080. I understand that EU stations don't have any choice due to their narrow band. However, I rarely hear EU on 40 at all, and when I do, it's pretty weak. So I doubt that the strong digital stuff on 040 is coming from EU.

One thing I note is that PSK-31 originated in EU and their websites point to 7040 as a calling freq. That's fine for EU, but I think a lot of US hams frequent those websites and that's one of the main reasons the digital stuff has been heading south.

But anyway as Ron and others have (sort of) said, if you're going to work 40, you'd better like QRM, QRN and weird noises.

72--Nick, WA5BDU

Date: Mon, 18 Dec 2000 12:01:26 -0500
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [86590] RE: Handbook and questions
Message-ID: <125490A005E3D3118C9C00805FC743CC0179C8D5@kahless.arrl.org>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

The 2000 hardbound edition was a "collector's" edition, serialized and embossed with the callsign of the purchaser.

The 2001 Handbook is available in paperback or hardcover.

See:

<http://www.arrl.org/catalog/?item=1867>

It can be ordered from the ARRL Web site. I imagine that some of the larger dealers have it in stock. They almost certainly will have the paperback version in stock.

73,
Ed Hare, W1RFI

ARRL Laboratory
225 Main St
Newington, CT 06111
Tel: 860-594-0318
FAX: 860-594-0259
Internet: w1rfi@arrl.org
ARRL Web: <http://www.arrl.org>
ARRL Technical Information Service: <http://www.arrl.org/tis/>

-----Original Message-----

From: Richard Matthews [<mailto:prm@hiwaay.net>]
Sent: Monday, December 18, 2000 11:43 AM
To: Low Power Amateur Radio Discussion
Subject: Re: Handbook and questions

At 08:54 12/18/00 -0700, you wrote:

>If you can only afford one book, make it the Handbook. It covers very
close
>to the whole hobby. My last one was that fancy 2000 year hardback which I
>LOVE.
>
>cul, Ron KU7Y

.....
Is the hardbound 2000 handbook still available? If so where?

Richard WA4NWW

Date: Mon, 18 Dec 2000 11:04:58 -0600
From: "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>
To: "'ku7y@qsl.net'" <ku7y@qsl.net>, Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [86591] RE: Handbook and questions
Message-ID:
<E78D8A9D6762D411B5440008C791D4AA013032DA@dfwex03.allegiancetelecom.com>
MIME-Version: 1.0
Content-Type: text/plain

Amen, Ron!

I don't know how many HUNDREDS of times I've seen questions, especially
of a basic nature, asked on this reflector that could have been quickly,
clearly

and easily answered if the "asker" had simply opened up his copy of an ARRL Handbook of almost any vintage!

Of course, the ARRL Handbook is not always "the Bible", because the RSGB produces a similar excellent version of their handbook (of course, slanted toward the European ham when it comes to transistors and valves), but the fundamental electronic theory about electron flow, antennas, impedance matching, antenna patterns, et cetera remains the same!

Like you, I've noted that almost any swapmeet I've attended (large or small) has at least one or two used Handbooks available for sale for truly ridiculous prices -- far, far less than buying a J-38 straight key at least!

How come more hams, especially the "newbies", don't acquire a Handbook first, read it from cover-to-cover and THEN ask their questions (if something isn't too clear in the Handbook) ?

Hmmmm..... don't tell me we have a lot of illiterates out there! They should write for help!

Karl K - W8TIF
McKinney, Texas

> -----Original Message-----

> From: Ron, KU7Y [SMTP:ku7y@qsl.net]

> Sent: Monday, December 18, 2000 9:55 AM

> To: Low Power Amateur Radio Discussion

> Subject: Handbook and questions

<snip>

> Hi All,

>

> Reading the list in the digest mode gives one a different view of things.

> Here is something that I am seeing that I think needs to be addressed.

>

> A great many of the questions that come up time after time on the list are

> explained in the Handbook.

>

> This tells me something, I think.

>

> One is that people don't have a Handbook or Two, that they don't bother to read it!

>

> Now don't get me wrong when it comes to asking questions. This is THE place

> to do it. It is the one group that I know of that has people active that
> really know and understand the subject, no mater what it is!
>
> BUT..... you really should, when you can, do some "research" on your own
> first. You need something handy to do the research and IMHO that would be
> the ARRL Handbook.
<snip>

Date: Mon, 18 Dec 2000 11:20:52 -0600 (CST)
From: Bruce Ratray <ratray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-l@LeHigh.EDU>
Subject: [86592] FOX - Team Results - corrected2 -
Message-ID: <Pine.LNX.3.95.1001218111926.1626A-1000000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

In memory of Joel, K1QM(SK) -

.Hunt #9 - K0EVZ - Doc -

The Raiders of the Lost RF - 21	The Big Dawgs - 38
Mary - NA6E	ET - N1FN *
Fred - VE3FAL	Tom - N5TW *
Rob - VE6JAZ *	Larry- WJ1R * Clean Sweep
Earl - VA6RF *	Bill - K0MP *
Bruce- VE5RC *	Bob - N6WG *
The ScQRPions - 35	The Flying Pigs #1 - 17
Floyd - NQ7X *	Diz - W8DIZ
Brian - K7RE	Rick - WB6JBM
Conard- WS4S *	Dan - N8IE *
Chuck - K7Q0	Brian- KB9BVN
Bob - NK7M *	Dave - KB5MHS *
The Cheeseheads - 41	The Houston Hounds - 40
Brian - AE9K *	Bill - K5ZTY *
Jerry - N9AW *	Bill - W5SB *
Rick - NK9G * Clean Sweep	Terry- KQ5U * Clean Sweep
Lou - W9XU *	Dan - KK5LD *
Jim - WA9TZE *	Danny- WA50JE *
The New England Hunt Club - 19	The Swamp Rats - 30
Joel - K1QM(SK)	Paul - K4FB *

John - K1JD *
Jim - KC1FB
Aron - N1ODL
John - KB1ENS
Seab - AA1MY

Jack - K4BYF *
Pete - NV4V *
Fred - W2XN
Tom - N1TP *

The Buffalo Wings - 18
Mark - K2Q0
Dave - AA2PF
Howard- K2UD
Bob - K2VNM
Scott - AC3A *

The Bayou City Brass Pounders - 41
Ed - K5VUU *
Bob - N5ET *
Henry - W5HNS * Clean Sweep
OJ - K10J *
Bruce - N1LN *

The Flying Pigs#2 - 7
Andy - N8MX
Kent - KB9VZS
Ron - N8VAR *
Kenn - KM7KEN
Andrew - AC7CF

The Fox Terrors - 37
Tim - K5OI *
Don - K5AAR *
Karl - K5DI * Clean Sweep
Dave - W0CH *
Doc - K0EVZ *

The Cajun Thunder - 25
Joel - KE1LA
John - K5JS *
Wayne - K5E0A *
Jim - N5IB *
Tom - AC5JH *

The Underdogs - 26
Dan - N4ROA *
Roy - AB7CE
Art - KB7WW *
Glenn - WA7SPY *
Ron - KI0II *

The VA Hams + OLW - 1
Mike - KT4FJ
Doug - W4IDW
Skip - K0YWD
John - W4IM
Paul - W2RIA

The NE-TX Tornados - 29
Bill - K5JHP *
Chuck - W5USJ
Don - K5DW
George- W5YR
Rich - N5JI

The Minnesota North Stars - 38
Mert - W0UFO
Scott- N0AR *
Craig- AA0ZZ *
Jim - N0UR *
Pat - K0PC *

The Cockroaches - 2
Gary - KM5TY
Dave - N0IT
Rich - K7SZ
Tom - WA1VAI/3
Mike - KD5CMN

The Night Owls - 11
Thom - WI8W
Jim - KJ0C
Ed - N4XY
Ronnie- KE4VPN
John - K7FD/K7LOW *

The Terminators - 12
Bill - NT1R
Thaire - W2APF
David - K7EL
Bob - N7XY
Anthony- K8ZT

.please let me know of any corrections I need to apply...thank
you...72 - Bruce(VE5RC+VE5QRP)

Date: Mon, 18 Dec 2000 12:19:15 -0500
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [86593] RE: Handbook and questions
Message-ID: <125490A005E3D3118C9C00805FC743CC0179C8D6@kahless.arrl.org>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

There are a number of tools people can use to do research.

One of the better is the world-wide web. One can find explanations and
discussion of nearly anything, using the search tools (yahoo, web-crawler,
etc) that are available.

For ham info, try the following sites:

<http://www.arrl.org> - ARRL's web page
<http://www.arrl.org/tis> - ARRL's tech info web page. This page has over 100
topics and over 500 QST articles available for download.
<http://www.ac6v.com> - This is the most comprehensive links to links page for

ham radio that I know of.

<http://www.eham.com> - A nice combination of links, discussion boards and reviews.

<http://www.buck.com> - On-line Callbook

Printed books are great, too. As Ron pointed out, the ARRL Handbook is about the best general reference. The ARRL Antenna Book is the best book I know of as a general antenna book. For other great books on antennas, see <http://www.cebik.com>.

73,

Ed Hare, W1RFI

ARRL Laboratory Supervisor

225 Main St

Newington, CT 06111

Tel: 860-594-0318

FAX: 860-594-0259

Internet: w1rfi@arrl.org

ARRL Web: <http://www.arrl.org>

ARRL Technical Information Service: <http://www.arrl.org/tis/>

-----Original Message-----

From: Ron, KU7Y [<mailto:ku7y@qsl.net>]

Sent: Monday, December 18, 2000 10:55 AM

To: Low Power Amateur Radio Discussion

Subject: Handbook and questions

Hi All,

Reading the list in the digest mode gives one a different view of things. Here is something that I am seeing that I think needs to be addressed.

A great many of the questions that come up time after time on the list are explained in the Handbook.

This tells me something, I think.

One is that people don't have a Handbook or Two, that they don't bother to read it!

Now don't get me wrong when it comes to asking questions. This is THE place to do it. It is the one group that I know of that has people active that really know and understand the subject, no matter what it is!

BUT..... you really should, when you can, do some "research" on your own

first. You need something handy to do the research and IMHO that would be the ARRL Handbook.

Before you start thinking that I work for the ARRL and am just trying to sell books for them, let me state that I am not a member of the ARRL and in fact I tend to be a rather harsh critic of theirs at times. But they are the very best publication house for amateur radio books! And their Handbook is the very best value in a reference book you will likely ever see.

If you can only afford one book, make it the Handbook. It covers very close to the whole hobby. My last one was that fancy 2000 year hardback which I LOVE.

While they are not cheap by some standards, if it was a text book sold at a collage book store, I'll bet it would be over \$100! So at less then \$40, it's a bargain.

But if you can't afford a new one, buy a used one. I can't remember having been to a swap meet (ham radio type that is) that didn't have a few older ones for sale at good prices. A GREAT question for the list might even be "Does anyone have a ARRL Handbook that they would sell for XX dollars?" Over the years I have given several away and I'm sure that many others do the same.

So get yourself a Handbook. Look around at what you can sell to raise the money for the book if you need to. That's the fire drill I go through when I want a new gun or radio or fishing rod or whatever! Mow the neighbors lawn, but do something so you can get that book!

Then read it from cover to cover. Several times. Drooling is OK! We all do that. Planning to make several projects that never get made is also OK. We all do that too!

It doesn't make much difference which edition you get. Newer is better in many ways. But I LOVE looking at those from the 50's and seeing all those great advertisements for equipment. Not only did those ads help keep the cost of the Handbook down, it gives a fantastic history of the hobby. And Ohms law is unchanged! But I guess too many people whined and cried about seeing all that "wasted" space that could have been used for something "good" and the ads were dropped. While that certainly does make the Handbook less valuable as a source of history, it's still the best book you can own! Just be aware that the older the Handbook the fewer "new" modes and bands it will show!

For example, when I looked up band plans it shows that 7040 is QRP AND DX RTTY. So you should expect to find a LOT of RTTY stations around 7040 during a DX RTTY contest. What is DX you say?? Or what is RTTY?? The book also explains that too! :-)

OK, now I feel better! Back in my hole.....

cul, Ron KU7Y

Full time RVing somewhere in the West!

Date: Mon, 18 Dec 2000 09:25:14 -0800
From: Phil Wheeler <w7ox@earthlink.net>
To: Karl.Kanalz@allegiancetelecom.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [86594] Re: Handbook and questions
Message-ID: <3A3E487A.E3D80732@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

"Kanalz, Karl" wrote:

>
> How come more hams, especially the "newbies", don't acquire a Handbook
> first, read it from cover-to-cover and THEN ask their questions (if
> something
> isn't too clear in the Handbook) ?
>
> Hmmm..... don't tell me we have a lot of illiterates out there! They
> should write for help!
>

Gee, Karl, does that mean that I'm an illiterate because I haven't read it from cover-to-cover"? Likely not. I do wonder how many of us truly do read it cover to cover.

It's also reasonable to assume that not all info is in that "bible", and much of what is is not all that easy to find.

For that reason, I often do an on-line search using Google and use the ARRL Handbook as my second approach.

Regarding questions posted to qrp-l, "dumb" questions don't bother me. The delete key is always at hand.

73, Phil W7OX

Date: Mon, 18 Dec 2000 11:30:08 -0600
From: "Richoz, Lon R (MED)" <Lon.Richoz@med.ge.com>
To: "'Karl.Kanalz@allegiancetelecom.com'" <Karl.Kanalz@allegiancetelecom.com>, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [86595] RE: Handbook and questions
Message-ID: <859389F50D4ED411B13200508B94CD76326912@uswaumsx10medge.med.ge.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Please tell me and the rest of the readers of this and all the other ham radio related reflectors just what is the purpose for these reflectors being here I think there is a wealth of knowledge here that you can't find in any book. I also think it may discourage new hams from asking questions when they may not even know where to start to look something up. I say let them ask their questions and if the best advice is to look it up in a book fine. I don't think there is any question too simple or 'dumb' to ask here. Again...what is the purpose of these reflectors?

72 lon...

-----Original Message-----

From: Kanalz, Karl [mailto:Karl.Kanalz@allegiancetelecom.com]
Sent: Monday, December 18, 2000 11:05 AM
To: Low Power Amateur Radio Discussion
Subject: RE: Handbook and questions

Amen, Ron!

I don't know how many HUNDREDS of times I've seen questions, especially of a basic nature, asked on this reflector that could have been quickly, clearly and easily answered if the "asker" had simply opened up his copy of an ARRL Handbook of almost any vintage!

Of course, the ARRL Handbook is not always "the Bible", because the RSGB produces a similar excellent version of their handbook (of course, slanted toward the European ham when it comes to transistors and valves), but the fundamental electronic theory about electron flow, antennas, impedance matching, antenna patterns, et cetera remains the same!

Like you, I've noted that almost any swapmeet I've attended (large or

small)
has at least one or two used Handbooks available for sale for truly
ridiculous
prices -- far, far less than buying a J-38 straight key at least!

How come more hams, especially the "newbies", don't acquire a Handbook
first, read it from cover-to-cover and THEN ask their questions (if
something
isn't too clear in the Handbook) ?

Hmmmm..... don't tell me we have a lot of illiterates out there! They
should write for help!

Karl K - W8TIF
McKinney, Texas

> -----Original Message-----
> From: Ron, KU7Y [SMTP:ku7y@qsl.net]
> Sent: Monday, December 18, 2000 9:55 AM
> To: Low Power Amateur Radio Discussion
> Subject: Handbook and questions
<snip>
> Hi All,
>
> Reading the list in the digest mode gives one a different view of
things.
> Here is something that I am seeing that I think needs to be addressed.
>
> A great many of the questions that come up time after time on the list
are
> explained in the Handbook.
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> This tells me something, I think.
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> One is that people don't have a Handbook or Two, that they don't
bother to
> read it!
>
> Now don't get me wrong when it comes to asking questions. This is THE
> place
> to do it. It is the one group that I know of that has people active
that
> really know and understand the subject, no mater what it is!
>
> BUT..... you really should, when you can, do some "research" on your
own
> first. You need something handy to do the research and IMHO that
would be

> the ARRL Handbook.
<snip>

Date: Mon, 18 Dec 2000 17:34:09 +0000
From: Brendan Minish <EI6IZ@oceanfree.net>
To: qrp-1@Lehigh.EDU
Subject: [86596] Re: The Forty Meter 'situation'
Message-ID: <5.0.2.1.2.20001218173351.034b4508@mail.oceanfree.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 05:58 18/12/2000 -0800, curt wb8yyy wrote:
>Overall I think we should be pleased we all do as well
>within only 100kHz in common on 40m across the world!
>Yes it is annoying to try to qrp on 7040 with SSB QRM.
> I suspect until we get more spectrum, we got to work
>our way down.

Well here in Europe there is tremendous pressure for space on 40m, our whole band is only 100 Khz wide and at night (and for a good portion of the afternoon) at least 15 Khz of the SSB section is un-usable because of jamming transmitters in the middle east who are jamming a couple of Clandestine Broadcast stations who Should not be in the ham band in the first place.

It just isn't possible for EU ops to leave out a few KC's of our already small band for the US QRP operators, it would make far more sense if the US QRP stations could move down to below 7.035 or so then you would be in the EU CW sub band and some of us EU QRP operators might actually be able to work you guys when conditions are good.

>i was also annoyed by some ssb ops from a neighboring
>country operating in our 80m novice band - as
>beginners trying to qso don't need more QRM to
>discourage them out of the hobby. it would be nice if
>all ssb stayed above at least 3700 kHz !

Again here in Europe anyway we have a much smaller 80m band 3.5 to 3.8 Mhz and our Phone section starts at 3.6 Mhz. 80m is also shared with many commercial users in Europe and we are the secondary users. 80m is the mainstay of inter Europe QSOs at night and there are a lot of users, we won't all fit into the top 100 Khz (actually quite a lot less if you count the SSB DX window and the regular commercial users)

Dare I suggest that the US/ ARRL Pushes for smaller CW sub bands for 40 and

80m more in line with the rest of the world, after all congestion in our much narrower CW sub bands does not seem to be a problem here, I never have any problem finding space on 40 or 80 to have a CW qso or Two.

it would be good, however, to at least plead
>for the international community to allow us a couple
>kHz at 7040 to operate but i don't know what forum to
>use to communicate to dx hams so they understand how
>we are using this small slice of spectrum!

This just isn't practical for us I am afraid.

--

Brendan Minish EI6IZ
ei6iz@oceanfree.net
PGP key available from key servers [wwwkeys.pgp.net](http://www.keys.pgp.net)

Date: Mon, 18 Dec 2000 12:50:49 -0500
From: "Upton, Shawn" <SUpton@ALLEGROMICRO.com>
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>
Subject: [86597] Alinco CJ5
Message-ID: <E1F0152638DBD311AEF700D0B74455E208266C@EXCHANGE_NH>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Anyone know if the mic/earphone jack on this guy is something that I can get at RadioShack? Is it some sort of weird size? And lastly, pinout? I've been wanting to try this credit card out on packet/aprs, using a Palm and the TNC kit shown in QST the other month. Thanks.

KB1CKT
Shawn Upton

Date: Mon, 18 Dec 2000 11:36:08 -0600
From: Gary Phillips KA9NZI <ka9nzi@arrl.net>
To: qrp-l@Lehigh.EDU
Subject: [86598] RE: 7040
Message-ID: <3A3E4B08.63D4E168@arrl.net>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Nick, I don't know what your QTH is, but from here in northern Illinois I work EU on RTTY regularly, including on 40 m. I normally run between 10 and 15 w. output for RTTY and that has been sufficient.

Looking back over my log for this year, I haven't worked anyone on 40 m. RTTY below about 7.060, though. Nonetheless, I just wanted to point out that one can indeed hear (and work) EU stations on 40 m. RTTY.

Ron has a good point about "if you can't lick 'em, join 'em." When there's a RTTY contest going on, there are usually plenty of DX opportunities available, if you are only willing to switch modes.

--Gary Phillips KA9NZI
ka9nzi@arrl.net

Date: Mon, 18 Dec 2000 12:42:16 -0500
From: "Brian" <brian@iquest.net>
To: <w1rfi@arrl.org>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [86599] Re: Handbook and questions
Message-ID: <000d01c06919\$dc9fc150\$2305080a@cincom.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Ed,

You are sooooo right. Hey, talk the ARRL into accepting Paypal so I can buy my books when the impulse hits me! <grin>

Another tool I like to use for research is to submit my question to a related list full of experts. I bet I got a dozen very helpful replies to my loop question yesterday. I did however look in my 1998 Handbook and read about loops and a few other things. Everytime I pick that book up I find something interesting to read. Everytime I pick that book up I also end up with 5 or 6 questions....that I submit to the panel of experts for english answers.

Thanks!

----- Original Message -----

From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Monday, December 18, 2000 12:19 PM

Subject: RE: Handbook and questions

> There are a number of tools people can use to do research.
>
> One of the better is the world-wide web. One can find explanations and
> discussion of nearly anything, using the search tools (yahoo, web-crawler,
> etc) that are available.
>
> For ham info, try the following sites:
>
> <http://www.arrl.org> - ARRL's web page
> <http://www.arrl.org/tis> - ARRL's tech info web page. This page has over
100
> topics and over 500 QST articles available for download.
> <http://www.ac6v.com> - This is the most comprehensive links to links page
for
> ham radio that I know of.
> <http://www.eham.com> - A nice combination of links, discussion boards and
> reviews.
> <http://www.buck.com> - On-line Callbook
>
> Printed books are great, too. As Ron pointed out, the ARRL Handbook is
> about the best general reference. The ARRL Antenna Book is the best book I
> know of as a general antenna book. For other great books on antennas, see
> <http://www.cebik.com>.
>
> 73,
> Ed Hare, W1RFI
> ARRL Laboratory Supervisor
> 225 Main St
> Newington, CT 06111
> Tel: 860-594-0318
> FAX: 860-594-0259
> Internet: w1rfi@arrl.org
> ARRL Web: <http://www.arrl.org>
> ARRL Technical Information Service: <http://www.arrl.org/tis/>
>
>
>
> -----Original Message-----
> From: Ron, KU7Y [<mailto:ku7y@qsl.net>]

> Sent: Monday, December 18, 2000 10:55 AM
> To: Low Power Amateur Radio Discussion
> Subject: Handbook and questions
>
>
> Hi All,
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> Reading the list in the digest mode gives one a different view of things.
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> first. You need something handy to do the research and IMHO that would be
> the ARRL Handbook.
>
> Before you start thinking that I work for the ARRL and am just trying to
> sell books for them, let me state that I am not a member of the ARRL and
in
> fact I tend to be a rather harsh critic of theirs at times. But they are
> the very best publication house for amateur radio books! And their
Handbook
> is the very best value in a reference book you will likely ever see.
>
> If you can only afford one book, make it the Handbook. It covers very
close
> to the whole hobby. My last one was that fancy 2000 year hardback which I
> LOVE.
>
> While they are not cheap by some standards, if it was a text book sold at
a
> collage book store, I'll bet it would be over \$100! So at less then \$40,
> it's a bargain.
>
> But if you can't afford a new one, buy a used one. I can't remember
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> been to a swap meet (ham radio type that is) that didn't have a few older

> ones for sale at good prices. A GREAT question for the list might even be
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> Over the years I have given several away and I'm sure that many others do
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>
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>
> Then read it from cover to cover. Several times. Drooling is OK! We all
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OK.
> We all do that too!
>
> It doesn't make much difference which edition you get. Newer is better in
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> cost of the Handbook down, it gives a fantastic history of the hobby. And
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> For example, when I looked up band plans it shows that 7040 is QRP AND DX
> RTTY. So you should expect to find a LOT of RTTY stations around 7040
> during a DX RTTY contest. What is DX you say?? Or what is RTTY?? The
book
> also explains that too! :-)
>
> OK, now I feel better! Back in my hole.....
>
> cu1, Ron KU7Y
> Full time RVing somewhere in the West!
>

Date: Mon, 18 Dec 2000 12:49:53 -0500
From: Harris Keith E CONT CNIN <harris_k@crane.navy.mil>
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>
Subject: [86600] Re: Handbook and questions
Message-ID:

<4F76B3D4A76AD111803B00A0C9893D9C06ED8CA3@cninexchsrv05.crane.navy.mil>
MIME-Version: 1.0
Content-Type: text/plain

Gang,

I have been told numerous times that the only dumb question was the one not asked. Just my two centavos.

de N9KH

Date: Mon, 18 Dec 2000 12:52:25 -0500
From: "John J. McDonough" <wb8rcr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [86601] Re: Handbook and questions
Message-ID: <031301c0691b\$497c72e0\$010044c0@baycty1.mi.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----
From: <W1R0@aol.com>
Subject: Re: Handbook and questions

> Many of our newer hams gets scared away from the technical
> side of the Handbook.

It astonishes me that any ham could be reasonably active without a copy of the Handbook, but then, think about it for a minute.

Imagine you are a new ham, you go to a hamfest, and you see a rare copy of the Handbook that isn't shrink wrapped so you can thumb through it. What will your thirty-odd dollars buy you?

Well, first is a theory section, full of complicated equations and graphs, and pretty terse prose. This isn't the thing to curl up in front of the fireplace with.

Then, a large section with descriptions of how to build stuff you can't build. Yeah, OK, lots of us know you CAN build it, but you haven't figured that out yet, and probably never will.

Then there's some practical information, mostly about construction that you've already figured out you can't do.

Finally there's a whole pile of tables, most of which you have no clue what are!

We ought to be elmering new hams on how to use this wonderful resource, but I suspect many of us, like myself, never thought about it. That theory section isn't the thing to have a relaxing read, but when you want to find out how something works, it gets you right there.

Yes, you CAN build it, but more than that, the projects section provides lots of example circuits and ideas. Maybe I will never build one of those projects in the Handbook (oh, I take that back, I did build one), but over and over again I've ripped off circuits or approaches from those projects.

And all those tables, again, not much fun to read through, but it's amazing how often you want to know some of that stuff. Whether it's the RS-232 pin assignments, the lengths of guy wires to avoid, or simply finding out where on the planet is that YJ calling you from, it's all there - it's simply a question of remembering it's there.

Maybe some ambitious person (maybe even me if I get in a more ambitious mood than I've been lately <g>) can put together a slide presentation we all can use at our local clubs to help the new guys make use of this resource.

This is a very cool resource, but not so easy to learn to use.

72/73 de WB8RCR <http://members.home.com/wb8rcr/index.htm>
didileydadidah QRP-L #1446 Code Warriors #35

Date: Mon, 18 Dec 2000 12:54:28 -0500
From: "Don Wilhelm" <w3fpr@arrl.net>
To: <nkennedy@tcainternet.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [86602] Re: 7040
Message-ID: <006501c0691b\$f56d7a40\$88b8183f@dbw11main>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I don't know about the rest of you, but my vote is for some effort to move the QRP calling frequency to 7030 and we would be in agreement much of the rest of the world - plus solve some of the other problems on 7040 too. Yes, I know several folks would have to get new crystals, but that's a small price to pay.

Who establishes the 'band plan' gentlemen's agreements anyway? No matter, we can be a voice in getting it changed.

73,

Don Wilhelm -Chapel Hill, NC

W3FPR QRP-L # 485 K2 SN 0020

>

> >Look in the ARRL Handbook. It shows the "gentleman's" agreement for 7040

> to

> >be both QRP and RTTY.

>

> That may be true--but it seems like when I was active on RTTY all the
> action was up around 080. I understand that EU stations don't have any
> choice due to their narrow band. However, I rarely hear EU on 40 at all,
> and when I do, it's pretty weak. So I doubt that the strong digital stuff
> on 040 is coming from EU.

>

>

Date: Mon, 18 Dec 2000 13:01:09 -0500 (EST)

From: n2go@arrl.net

To: qrp-l@Lehigh.EDU

Subject: [86603] QRP 40M frequency now changed

Message-ID: <Pine.LNX.4.21.0012181255270.996-1000000@valhalla.v>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Someone had to do it. For all the reasons mentioned both with digital modes, foreign ssb, woodpeckers etc....

The new CW frequency band is now 7030-7035. Mark it in your log books. Grind your crystals, get your vxo's moving...

This will have to do until we can get the FCC to offer a low power sub band below 7000.

Seasons greetings.

73,

Jim n2go

Date: Mon, 18 Dec 2000 10:03:00 -0800
From: Jeff Stai WK6I <jstai@home.com>
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>
Subject: [86604] Re: Handbook and questions
Message-ID: <3A3E5154.9C524E07@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

"John J. McDonough" wrote:

>

...

>

> Maybe some ambitious person (maybe even me if I get in a more ambitious mood
> than I've been lately <g>) can put together a slide presentation we all can
> use at our local clubs to help the new guys make use of this resource.

>

> This is a very cool resource, but not so easy to learn to use.

hey - Next time you see a question asked here (or anywhere) that could be
answered by looking in the Handbook: go find the answer in the Handbook
and post where you found it (but also post the answer!).

Don't just give them a fish, teach them to fish... - 7x! - j

--

jeff stai
WK6I DM13
NAR #21059 TRA #3356 L2
jstai@home.com / wk6i@arrl.net
ROC web page: <http://www.rocstock.org/>

Date: Mon, 18 Dec 2000 10:05:59 -0800
From: Phil Wheeler <w7ox@earthlink.net>
To: SUpton@ALLEGROMICRO.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [86605] Re: Alinco CJ5
Message-ID: <3A3E5207.D6CF624@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

"Upton, Shawn" wrote:

>
> Anyone know if the mic/earphone jack on this guy is something that I can get
> at RadioShack? Is it some sort of weird size? And lastly, pinout? I've
> been wanting to try this credit card out on packet/aprs, using a Palm and
> the TNC kit shown in QST the other month. Thanks.
>

Shawn, do you mean the DJ-C5T?

You may want to chdck the Alinco web site:

<http://www.alinco.com/usa.html>

They do have some packet hookup info there, at least for some radios.
And there may be an email link for info not at the url.

73, Phil W7OX

Date: Mon, 18 Dec 2000 13:14:59 -0500
From: "Don Wilhelm" <w3fpr@arrl.net>
To: <jstai@home.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [86606] Re: Handbook and questions
Message-ID: <009001c0691e\$7344d4c0\$88b8183f@dbw11main>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Jeff and all,

Very sage advice - and add that when you give the source for the information
it is not only a teaching tool, but provides credibility and substance to
that answer.

73,
Don Wilhelm -Chapel Hill, NC
W3FPR QRP-L # 485 K2 SN 0020

----- Original Message -----

From: "Jeff Stai WK6I" <jstai@home.com>

>
> hey - Next time you see a question asked here (or anywhere) that could be
> answered by looking in the Handbook: go find the answer in the Handbook
> and post where you found it (but also post the answer!).
>
> Don't just give them a fish, teach them to fish... - 7x! - j

>

Date: Mon, 18 Dec 2000 13:13:05 -0500
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>
To: "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.edu>
Subject: [86607] RE: Handbook and questions
Message-ID: <125490A005E3D3118C9C00805FC743CC0179C8DB@kahless.arrl.org>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

> You are sooooo right. Hey, talk the ARRL into accepting Paypal so I can
buy
> my books when the impulse hits me! <grin>

I don't know if Paypal offers any advantage over the secure credit-card
orders permitted on the ARRL site, but you can use your credit card to order
books from ARRL day or night.

Might be best to move any questions about ordering from ARRL off-line; this
is starting to be a bit too "commercial."

73,
Ed Hare, W1RFI
ARRL Laboratory

Date: Mon, 18 Dec 2000 12:26:55 -0600
From: "George , W5YR" <w5yr@att.net>
To: Karl.Kanalz@allegiancetelecom.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [86608] Re: Handbook and questions
Message-ID: <3A3E56EF.E7C8B4F9@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

"Kanalz, Karl" wrote:

> How come more hams, especially the "newbies", don't acquire a Handbook
> first, read it from cover-to-cover and THEN ask their questions (if

> something
> isn't too clear in the Handbook) ?

Easy answer, Karl:

Back in ought-when, you and I and everyone else HAD to read, study and almost sleep with the Handbook in order to learn enough radio to pass the license exams. No longer . . .

George W5YR

Date: Mon, 18 Dec 2000 13:20:27 -0500
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>
To: "'k3tks@u1.abs.net'" <k3tks@u1.abs.net>, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [86609] RE: Pacemaker - RF
Message-ID: <125490A005E3D3118C9C00805FC743CC0179C8DE@kahless.arrl.org>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"

> I would also check with ARRL, I seem to recall an Article on the subject
> at some time in the past.

It is available for download from:

<http://www.arrl.org/tis/info/pacemaker.html>

73,
Ed Hare, W1RFI
ARRL Laboratory Supervisor
225 Main St
Newington, CT 06111
Tel: 860-594-0318
FAX: 860-594-0259
Internet: w1rfi@arrl.org
ARRL Web: <http://www.arrl.org>
ARRL Technical Information Service: <http://www.arrl.org/tis/>

-----Original Message-----

From: George Gingell [mailto:k3tks@u1.abs.net]
Sent: Saturday, December 09, 2000 2:06 AM
To: Low Power Amateur Radio Discussion
Subject: Re: Pacemaker - RF

Just read the Digest and thought that I would offer a few comments.

Before my early retirement from Lucent Technologies in 1996, I did Telephone Systems Repair for the U.S. Government in Rockville, Maryland.

Home of the U.S. Department of Health and Human Resources, The U.S. Public Health Services and the Food and Drug Administration (FDA).

We had a small Amateur Radio Club at the Main Building at 5600 Fishers Lane. Many of our members were Employed by FDA/CDRH.

I seem to recall a discussion concerning Pacemakers and Ham Radio. As I recall, it was not considered a problem at that time. Very early Pacemakers may have had some problems, but I believe those problems have been corrected long ago.

Just to be sure and to get the most current information, I would recommend checking for their website.

D.H.H.S./FDA/CDRH

The Center for Devices and Radiological Health, Division of Physical Sciences is located at 12721 Twinbrook Parkway, Rockville, MD.

It comes under the Food & Drug Administration (FDA).

Try FDA (800)532-4440 or DHHS Info 202-619-0257 or 877-696-6775.

Sorry, I can't give you a Direct Number to the CDRH Division Director.

This is one of those questions where it is best to go directly to the source for your information. CDRH is the Division of FDA that Tests all Medical Devices.

Anyone seen an Altair 6800 CPU? They had one in the labs at CDRH. Guess what it was programmed to do? Test Pacemakers !

They also had several old versions on display.

One other tidbit I recall from my tour of the lab, was that All Pacemakers that are removed from a patient comes to them for testing.

I guess that is to make sure that it was not the cause of death?

I would also check with ARRL, I seem to recall an Article on the subject

at some time in the past.

At QRP power and HF operation, I am reasonably sure that you will have no problems.

No, I am not a Doctor. Just a nosey old telephone man...

Sir George, The First :^)

72 ES

QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net
Former QRP A.R.C.I. Net Manager and Board of Director Member.
Gingell & Company, Ltd. Small Business Telephone Systems
Notary Public and Locksmith Services
George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD 20904-7117
Maryland Milliwatt Club QRP Reference Library, (301)572-6789
Maryland Milliwatt Club Founder and Trustee of Club Station - WQ3RP -
Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.

Date: Mon, 18 Dec 2000 11:26:13 -0700
From: "Rod Cerkoney" <n0rc@hotmail.com>
To: <Lon.Richoz@med.ge.com>, "Low Power Amateur Radio Discussion" <qrp-
l@Lehigh.EDU>
Subject: [86610] Re: Handbook and questions
Message-ID: <0E19nZp72fnGmP5hn0q00000e8d@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

When ever I asked my Mother how to spell a word, she said look it up
in the dictionary, you won't forget next time, if you can't find it
come and see me. Pretty good advice. I learned how to take care of
myself more often than not. And it seemed that the "info" did/does
"stick" better. I agree with the others, do a little research you will
be surprised what you can learn on your own. Then when you get stuck,
come and ask on a list such as QRP-L [Mom].

FWIW: I do computer S/W support, I see the same effect. We use the
professional term: RTFM! ;-)

73, Rod N0RC
Ft Collins CO

----- Original Message -----

From: "Richoz, Lon R (MED)" <Lon.Richoz@med.ge.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Monday, December 18, 2000 10:30 AM
Subject: RE: Handbook and questions

> Please tell me and the rest of the readers of this and all the other
ham
> radio related reflectors just what is the purpose for these
reflectors
...

Date: Mon, 18 Dec 2000 14:04:05 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: Karl.Kanalz@allegiancetelecom.com
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [86611] Re: Handbook and questions
Message-ID: <3A3E5FA5.70D8@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Karl and the gang,

Back a few years ago, when I was an EE major, the word was if you understand the basic theory, and know where to look up the information, you'' never get stumped at work! Now, I know that this doesn't apply too often to test taking, but it has stood me in good stead for about 37 Years as a working engineer. I have always maintained a personal library of technical books, including some of my college text books and have found them to be invaluable to my work! Buy an ARRL Handbook. You will not find a better ham radio reference. Old or new, they're worth teh money!

73

Date: Mon, 18 Dec 2000 13:09:04 -0600
From: "Matt Finlayson" <kb9nqr@interaccess.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [86612] Re: 7040
Message-ID: <006501c06926\$017a4d40\$6a162ca6@wcom.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

----- Original Message -----

From: "Don Wilhelm" <w3fpr@arrl.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Monday, December 18, 2000 11:54 AM

Subject: Re: 7040

> I don't know about the rest of you, but my vote is for some effort to move
> the QRP calling frequency to 7030 and we would be in agreement much of
the
> rest of the world - plus solve some of the other problems on 7040 too.
> Yes, I know several folks would have to get new crystals, but that's a
small
> price to pay.
> Who establishes the 'band plan' gentlemen's agreements anyway? No matter,
> we can be a voice in getting it changed.
> 73,
> Don Wilhelm -Chapel Hill, NC
> W3FPR QRP-L # 485 K2 SN 0020
>
> >
> > Look in the ARRL Handbook. It shows the "gentleman's" agreement for
7040
> > to
> > be both QRP and RTTY.
> >
> > That may be true--but it seems like when I was active on RTTY all the
> > action was up around 080. I understand that EU stations don't have any
> > choice due to their narrow band. However, I rarely hear EU on 40 at
all,
> > and when I do, it's pretty weak. So I doubt that the strong digital
stuff
> > on 040 is coming from EU.
> >
> >
>

Date: Mon, 18 Dec 2000 14:39:51 -0500

From: "Victor Blackwell" <victor@brecnet.com>

To: <kb9nqr@interaccess.com>, "Low Power Amateur Radio Discussion" <qrp-
l@lehigh.edu>

Subject: [86613] Re: 7040
Message-ID: <000f01c0692a\$4ac15120\$375730d1@victor>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Bad vote. You obviously have not checked around that part of the band. Too much high power, high speed activity there and has been for fifty years. It is CW Main St..

The big signal RTTY stations you find on 7040 are indeed in EU. Amazingly strong signals will show up in contests. I would say stay where you are and if RTTY is present, move up a say 3 khz. If you are using a calling freq. be sure you move off after establishing your contact. The rest of the CW world does this. (non-ham)

88k

88k

Date: Mon, 18 Dec 2000 14:28:39 -0600
From: "Matt Finlayson" <kb9nqr@interaccess.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [86614] Re: 7040
Message-ID: <00b001c06931\$20410560\$6a162ca6@wcom.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Yes Victor, I agree with you. My previous post meant to point out that 7035.15 is the activity slot for PSK31 in Region 1 and 3.

73,

Matt
K9KRY

----- Original Message -----
From: "Victor Blackwell" <victor@brecnet.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Monday, December 18, 2000 1:39 PM
Subject: Re: 7040

> Bad vote. You obviously have not checked around that part of the band.
Too
> much high power, high speed activity there and has been for fifty years.
It
> is CW Main St..
> The big signal RTTY stations you find on 7040 are indeed in EU. Amazingly
> strong signals will show up in contests. I would say stay where you are
and
> if RTTY is present, move up a say 3 khz. If you are using a calling freq.
> be sure you move off after establishing your contact. The rest of the CW
> world does this. (non-ham)
>
> 88k
>
> 88k
>
>
>

Date: Mon, 18 Dec 2000 16:00:39 -0500
From: "Victor Blackwell" <victor@brecnet.com>
To: <kb9nqr@interaccess.com>, "Low Power Amateur Radio Discussion" <qrp-
l@lehigh.edu>
Subject: [86615] Re: 7040
Message-ID: <004101c06935\$940f7cc0\$375730d1@victor>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Who picked this? They obviously do not listen to 40 M from the states. I know PSK has been around for over sixty years, but where will it be in five? There are many, many digital modes and more being developed all the time. I have not seen any that offers full qsk. Just more ways of having RTTY type QSO's, brag tapes have turned into boring brag files.

Besides, calling freq. in the Amateur Service are worthless. You just need a good operating plan. Check with your local FCC office. Operating in a mode where you are nearly invisible will cause you many troubles. I have been operating QRP, even QRP RTTY for over thirty years. You have to be flexible and know when to QSY. Something few QRO ops have not mastered.

You will not win a dog fight.

I have seen a lot of QRO mentality here and not enough QRP agility and finesse.

Vic AD8K

>Yes Victor, I agree with you. My previous post meant to point out that
>7035.15 is the activity slot for PSK31 in Region 1 and 3.
>

Date: Mon, 18 Dec 2000 12:54:46 -0500
From: Shelly Somerville <somerville@uniserve.com>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [86616] Balanced Feeds
Message-ID: <3A3E4F66.8D39B74A@uniserve.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Just recently I've had problems with my SWR jumping all over the place from 1:1 to 3:1 and back. The coax is old but has spent most of its time inside. I have rechecked my solder joints and everything looks OK. I was thinking of installing a balanced feed and making my own balanced line of 50 ohms. On doing the impedance calculation it looks as though lamp cord would do the trick. Comments?

73 John VE7CFG

Date: Mon, 18 Dec 2000 15:47:58 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-l@LeHigh.EDU>
Subject: [86617] FOX - Team Results -
Message-ID: <Pine.LNX.3.95.1001218153648.22354A-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

In memory of Joel, K1QM(SK) -

...Hunt #10 - N2WW - Larry -

The Raiders of the Lost RF - 24

Mary - NA6E

Fred - VE3FAL

Rob - VE6JAZ *

Earl - VA6RF *

Bruce- VE5RC *

The Big Dawgs - 43

ET - N1FN *

Tom - N5TW *

Larry- N2WW * Clean Sweep

Bill - K0MP *

Bob - N6WG *

The ScQRPions - 39

Floyd - NQ7X *

Brian - K7RE *

Conard- WS4S *

Chuck - K7Q0

Bob - NK7M *

The Flying Pigs #1 - 19

Diz - W8DIZ

Rick - WB6JBM

Dan - N8IE *

Brian- KB9BVN

Dave - KB5MHS *

The Cheeseheads - 45

Brian - AE9K

Jerry - N9AW *

Rick - NK9G *

Lou - W9XU *

Jim - WA9TZE *

The Houston Hounds - 44

Bill - K5ZTY *

Bill - W5SB *

Terry- KQ5U

Dan - KK5LD *

Danny- WA5OJE *

The New England Hunt Club - 21

Joel - K1QM(SK)

John - K1JD *

Jim - KC1FB

Aron - N10DL

John - KB1ENS *

Seab - AA1MY

The Swamp Rats - 35

Paul - K4FB *

Jack - K4BYF *

Pete - NV4V * Clean Sweep

Fred - W2XN *

Tom - N1TP *

The Buffalo Wings - 20

Mark - K2Q0

Dave - AA2PF *

Howard- K2UD *

Bob - K2VNM

Scott - AC3A

The Bayou City Brass Pounders - 46

Ed - K5VUU *

Bob - N5ET *

Henry - W5HNS * Clean Sweep

OJ - K10J *

Bruce - N1LN *

The Flying Pigs#2 - 8

Andy - N8MX

Kent - KB9VZS

Ron - N8VAR *

The Fox Terrors - 42

Tim - K5OI *

Don - K5AAR *

Karl - K5DI * Clean Sweep

Kenn - KM7KEN
Andrew - AC7CF

Dave - W0CH *
Doc - K0EVZ *

The Cajun Thunder - 29
Joel - KE1LA *
John - K5JS *
Wayne - K5E0A
Jim - N5IB *
Tom - AC5JH *

The Underdogs - 30
Dan - N4ROA *
Roy - AB7CE
Art - KB7WW *
Glenn - WA7SPY *
Ron - KI0II *

The VA Hams + OLW - 1
Mike - KT4FJ
Doug - W4IDW
Skip - K0YWD
John - W4IM
Paul - W2RIA

The NE-TX Tornados - 34
Bill - K5JHP *
Chuck - W5USJ *
Don - K5DW *
George- W5YR *
Rich - N5JI

The Minnesota North Stars - 43
Mert - W0UFO *
Scott- N0AR *
Craig- AA0ZZ * Clean Sweep
Jim - N0UR *
Pat - K0PC *

The Cockroaches - 2
Gary - KM5TY
Dave - N0IT
Rich - K7SZ
Tom - WA1VAI/3
Mike - KD5CMN

The Night Owls - 12
Thom - WI8W
Jim - KJ0C
Ed - N4XY
Ronnie- KE4VPN
John - K7FD/K7LOW *

The Terminators - 14
Bill - NT1R
Thaire - W2APF *
David - K7EL *
Bob - N7XY
Anthony- K8ZT

.please let me know of any corrections I need to apply...thank
you...72 - Bruce(VE5RC+VE5QRP)

Date: Mon, 18 Dec 2000 22:01:47 -0000
From: "Walt Amos" <k8cv@netzero.net>
To: "Posts Qrp-l" <qrp-l@lehigh.edu>
Subject: [86618] Fw: Handbook and questions
Message-ID: <002301c0693e\$1f0230e0\$f4eb5aa6@waltamos>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Inquiring minds:

Another very interesting thing about the " HANDBOOK " is that some very smart fellow at ARRL went through the whole thing and made up a list of where things are and called it an INDEX and he put it in the very back of the book and if you look there, lots of times you can find what you don't know about a subject listed and they even have the page to go and find out about things. Too bad they " yes the mysterious THEY " can't do that to the Internet . :-)

Walt Amos K8CV Royal Oak, MI k8cv@arrl.net

----- Original Message -----

From: "Ron, KU7Y" <ku7y@qsl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Monday, December 18, 2000 3:54 PM
Subject: Handbook and questions

> Hi All,
>
> Reading the list in the digest mode gives one a different view of things.
> Here is something that I am seeing that I think needs to be addressed.
>
> A great many of the questions that come up time after time on the list are
> explained in the Handbook.
>

> This tells me something, I think.
>
> One is that people don't have a Handbook or Two, that they don't bother to
> read it!
>
> Now don't get me wrong when it comes to asking questions. This is THE
place
> to do it. It is the one group that I know of that has people active that
> really know and understand the subject, no matter what it is!
>
> BUT..... you really should, when you can, do some "research" on your own
> first. You need something handy to do the research and IMHO that would be
> the ARRL Handbook.
>
> Before you start thinking that I work for the ARRL and am just trying to
> sell books for them, let me state that I am not a member of the ARRL and
in
> fact I tend to be a rather harsh critic of theirs at times. But they are
> the very best publication house for amateur radio books! And their
Handbook
> is the very best value in a reference book you will likely ever see.
>
> If you can only afford one book, make it the Handbook. It covers very
close
> to the whole hobby. My last one was that fancy 2000 year hardback which I
> LOVE.
>
> While they are not cheap by some standards, if it was a text book sold at
a
> collage book store, I'll bet it would be over \$100! So at less than \$40,
> it's a bargain.
>
> But if you can't afford a new one, buy a used one. I can't remember
having
> been to a swap meet (ham radio type that is) that didn't have a few older
> ones for sale at good prices. A GREAT question for the list might even be
> "Does anyone have a ARRL Handbook that they would sell for XX dollars?"
> Over the years I have given several away and I'm sure that many others do
> the same.
>
> So get yourself a Handbook. Look around at what you can sell to raise the
> money for the book if you need to. That's the fire drill I go through
when
> I want a new gun or radio or fishing rod or whatever! Mow the neighbors
> lawn, but do something so you can get that book!
>
> Then read it from cover to cover. Several times. Drooling is OK! We all
> do that. Planning to make several projects that never get made is also

OK.

> We all do that too!

>

> It doesn't make much difference which edition you get. Newer is better in
> many ways. But I LOVE looking at those from the 50's and seeing all those
> great advertisements for equipment. Not only did those ads help keep the
> cost of the Handbook down, it gives a fantastic history of the hobby. And
> Ohms law is unchanged! But I guess too many people whined and cried about
> seeing all that "wasted" space that could have been used for something
> "good" and the ads were dropped. While that certainly does make the
> Handbook less valuable as a source of history, it's still the best book
you

> can own! Just be aware that the older the Handbook the fewer "new" modes
> and bands it will show!

>

> For example, when I looked up band plans it shows that 7040 is QRP AND DX
> RTTY. So you should expect to find a LOT of RTTY stations around 7040
> during a DX RTTY contest. What is DX you say?? Or what is RTTY?? The
book

> also explains that too! :-)

>

> OK, now I feel better! Back in my hole.....

>

> cul, Ron KU7Y

> Full time RVing somewhere in the West!

>

>

Why pay for something you could get for free?
NetZero provides FREE Internet Access and Email
<http://www.netzero.net/download/index.html>

Date: Mon, 18 Dec 2000 17:21:53 -0500 (EST)

From: baltimoremd@baltimoremd.com

To: Walt Amos <k8cv@netzero.net>

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [86619] Re: Fw: Handbook and questions

Message-ID: <Pine.BSI.4.05L.10012181719190.2863-100000@vh1.min.net>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 18 Dec 2000, Walt Amos wrote:

> about things. Too bad they " yes the mysterious THEY " can't do that to the
> Internet . :-)

Message-ID: <Pine.LNX.4.31.0012181516240.2975-100000@cannac.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 18 Dec 2000, Victor Blackwell wrote:

> Who picked this? They obviously do not listen to 40 M from the states. I
> know PSK has been around for over sixty years, but where will it be in five?

PSK was invented 5 years ago.

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Mon, 18 Dec 2000 16:17:36 -0600
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: <igeq100@iupui.edu>
Cc: <qrp-1@Lehigh.EDU>
Subject: [86622] RFI
Message-ID: <051801c06940\$5348b070\$5ac07481@rohredt2000>

Most any solid state electronics can suffer fundamental overload from nearby RF and then the junction of a transistor makes a dandy crystal radio detector setting off the device!

If you can move the radial that would be a first thing to try. Then you go for the RF chokes, bypass caps, and usual filtering methods on the CO detector. But move the radial first, at least twice the distance and see if that fixes it.

72,
Stuart k5KVH

Date: Mon, 18 Dec 2000 15:19:22 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Shelly Somerville <somerville@uniserve.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [86623] Re: Balanced Feeds
Message-ID: <Pine.LNX.4.31.0012181517520.2975-100000@cannac.ampr.org>

MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Yes lamp cord is pretty close to 50 ohms. Since your 5 watts makes low current in the wire it will work fine. A KW will make so much current it will melt the insulation!

On Mon, 18 Dec 2000, Shelly Somerville wrote:

> Just recently I've had problems with my SWR jumping all over the place
> from 1:1 to 3:1 and back. The coax is old but has spent most of its
> time inside. I have rechecked my solder joints and everything looks
> OK. I was thinking of installing a balanced feed and making my own
> balanced line of 50 ohms. On doing the impedance calculation it looks
> as though lamp cord would do the trick. Comments?
>
> 73 John VE7CFG
>
>
>
>

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Mon, 18 Dec 2000 17:19:37 -0500
From: "Victor Blackwell" <victor@brecnet.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [86624] Low Power Digital stuff
Message-ID: <002c01c06940\$9c610000\$375730d1@victor>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Interesting Digital Info.

<http://www.wunclub.com/digfaq/signals.html>

Vic AD8K

Date: Mon, 18 Dec 2000 14:16:36 -0800
From: Phil Wheeler <w7ox@earthlink.net>
To: somerville@uniserve.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [86625] Re: Balanced Feeds
Message-ID: <3A3E8CC4.784C269C@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Shelly Somerville wrote:

>
> Just recently I've had problems with my SWR jumping all over the place
> from 1:1 to 3:1 and back. The coax is old but has spent most of its
> time inside. I have rechecked my solder joints and everything looks
> OK. I was thinking of installing a balanced feed and making my own
> balanced line of 50 ohms. On doing the impedance calculation it looks
> as though lamp cord would do the trick. Comments?
>

John,

The consensus seems to be that lamp (zip) cord makes a relatively poor feed system.

The ARRL Antenna Handbook (18th Edition) has some info based on testing some 18-gauge zip cord:

- o Characteristic impedance: 105 ohms
- o Losses: Abt 4 dB per 100 ft at 20 meters (high, not much better than RG-174).

73, Phil W7OX

Date: Mon, 18 Dec 2000 17:22:42 -0500
From: "Victor Blackwell" <victor@brecnet.com>
To: "Karl F. Larsen" <k5di@zianet.com>
Cc: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>

Subject: [86626] Re: 7040
Message-ID: <003e01c06941\$0ac5cda0\$375730d1@victor>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Karl, Your amazing.

-----Original Message-----

From: Karl F. Larsen <k5di@zianet.com>
To: Victor Blackwell <victor@brecnet.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Date: Monday, December 18, 2000 5:07 PM
Subject: Re: 7040

>On Mon, 18 Dec 2000, Victor Blackwell wrote:

>
>> Who picked this? They obviously do not listen to 40 M from the states.
I
>> know PSK has been around for over sixty years, but where will it be in
five?
>
> PSK was invented 5 years ago.
>
>
>Yours Truly,
>
> - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
>

Date: Mon, 18 Dec 2000 17:23:55 -0500
From: "Victor Blackwell" <victor@brecnet.com>
To: <k5di@zianet.com>, "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [86627] Re: 7040
Message-ID: <004301c06941\$360d35c0\$375730d1@victor>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

PSK been invented long before you were even a CBer.

-----Original Message-----

From: Karl F. Larsen <k5di@zianet.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Date: Monday, December 18, 2000 5:08 PM
Subject: Re: 7040

>On Mon, 18 Dec 2000, Victor Blackwell wrote:

>

>> Who picked this? They obviously do not listen to 40 M from the states.
I

>> know PSK has been around for over sixty years, but where will it be in
five?

>

> PSK was invented 5 years ago.

>

>

>Yours Truly,

>

> - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

>

Date: Mon, 18 Dec 2000 16:24:03 -0600
From: Nick Kennedy <nkennedy@tcainternet.com>
To: "Low Power Amateur Radio Discussion (E-mail)" <qrp-1@Lehigh.EDU>
Subject: [86628] RE: Handbook and questions
Message-ID: <01C0690E.F02CCB60.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Seems I've always got to play the contrarian, so I guess it's time ...

The suggestion to look in the ARRL Handbook is always a good one. But sometimes an explanation in ham-to-ham terms can help. To me, you need a *bunch* of books to enable you to understand a difficult topic. Each will take a slightly different approach and maybe one will get into my solid concrete head.

Books are great, but I doubt anyone would suggest that you could go buy all of the books used in a University EE course, sit down and read 'em, and get an equivalent education. If you could, teachers would be out of work.

BTW--I have ARRL handbooks for (I think) 1936, 1948, 1957, 1965, 1979,

1987, 1989, 1994 and 2000. And I DO agree that advising newcomers to get a handbook and read it over is a good idea. But that won't replace a direct answer from a knowledgeable person, one who knows the approximate competence level of the questioner.

72--Nick, WA5BDU

Date: Mon, 18 Dec 2000 15:24:32 -0700
From: "bob baxter" <rbaxter@cybertrails.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [86629] Re: Handbook and questions
Message-ID: <00e301c06941\$4cec01e0\$98142aa2@bobbaxte>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

--

>Have you ever heard of a search engine? Try www.dogpile.com the mother

>off all engines.

Actually the mother of all search engines is Copernic 2000 which launches 14 different search engines simultaneously.

Bob Baxter AA7EQ
Bisbee, Az.

Date: Mon, 18 Dec 2000 17:25:34 -0500
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>
To: "'baltimoremd@baltimoremd.com'" <baltimoremd@baltimoremd.com>, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [86630] RE: Fw: Handbook and questions
Message-ID: <125490A005E3D3118C9C00805FC743CC0179C8E9@kahless.arrl.org>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"

Speaking of search engines, the QST search engine (sorry, this one is on the ARRL members-only page, but presumably members are the ones interested in

Date: Mon, 18 Dec 2000 17:28:41 -0500
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [86631] RE: Handbook and questions
Message-ID: <125490A005E3D3118C9C00805FC743CC0179C8EA@kahless.arrl.org>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"

> Seems I've always got to play the contrarian, so I
> guess it's time ...

I will be a contrarian, too. Many of the questions that "can be answered in the ARRL Handbook" may be coming from a new ham who really doesn't know what is in the Handbook. Hey, we were all new once, too.

IMHO, the best way to answer a question whose answer is "in the book," or is found in a resource well known to us experienced hams, is to offer a quick summary answer, then point to the resource for more information. Somehow, that just seems a bit friendlier than, "Go look it up."

73,
Ed Hare, W1RFI

-----Original Message-----

From: Nick Kennedy [mailto:nkennedy@tcainternet.com]
Sent: Monday, December 18, 2000 5:24 PM
To: Low Power Amateur Radio Discussion
Subject: RE: Handbook and questions

Seems I've always got to play the contrarian, so I guess it's time ...

The suggestion to look in the ARRL Handbook is always a good one. But sometimes an explanation in ham-to-ham terms can help. To me, you need a *bunch* of books to enable you to understand a difficult topic. Each will take a slightly different approach and maybe one will get into my solid concrete head.

Books are great, but I doubt anyone would suggest that you could go buy all of the books used in a University EE course, sit down and read 'em, and get an equivalent education. If you could, teachers would be out of work.

BTW--I have ARRL handbooks for (I think) 1936, 1948, 1957, 1965, 1979, 1987, 1989, 1994 and 2000. And I DO agree that advising newcomers to get a handbook and read it over is a good idea. But that won't replace a direct answer from a knowledgeable person, one who knows the approximate competence level of the questioner.

72--Nick, WA5BDU

Date: Mon, 18 Dec 2000 17:31:30 -0500
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [86632] RE: Handbook and questions
Message-ID: <125490A005E3D3118C9C00805FC743CC0179C8EB@kahless.arrl.org>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

> Back in ought-when, you and I and everyone else HAD to read, study and
> almost sleep with the Handbook in order to learn enough radio to pass
> the license exams. No longer . . .

All I studied in 1963 to pass my General was the 16-page ARRL study guide.
I didn't own a Handbook back then; I was 14 years old.

I wonder how many new hams today would have preferred to study a 16-page
study guide to get all amateur privileges.

73,
Ed Hare, W1RFI

Date: Mon, 18 Dec 2000 17:40:25 -0500
From: "Brian B. Riley, N1BQ" <n1bq@wulfdn.org>
To: <w6toy@erols.com>, "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [86633] RE: Handbook and questions
Message-ID: <LPBBJAGIPFHKPJENAKLOAEPODDAA.n1bq@wulfdn.org>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> -----Original Message-----

> From: Bruce Muscolino
> Sent: Monday, December 18, 2000 14:04 PM
>

> Back a few years ago, when I was an EE major, the word was if you
> understand the basic theory, and know where to look up the
> information, you'' never get stumped at work! Now, I know that
> this doesn't apply too often to test taking, but it has stood me in
> good stead for about 37 Years as a working engineer. I have always
> maintained a personal library of technical books, including some of
> my college text books and have found them to be invaluable to my
> work! Buy an ARRL Handbook. You will not find a better ham radio
> reference. Old or new, they're worth the money!

I will second and third that sentiment ... knowing where to look for information (and, of course what to do with it when you find it) is the real key to success, there is no way any engineer, good or bad, can possibly keep it all in his head.

72 de brian, n1bq

Date: Mon, 18 Dec 2000 14:41:48 -0800 (PST)
From: Jeff <fantbb@yahoo.com>
To: qrp qrp <qrp-l@lehigh.edu>
Subject: [86634] Re: Balanced Feeds
Message-ID: <20001218224148.32597.qmail@web10005.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

--- Phil Wheeler <w7ox@earthlink.net> wrote:
> some 18-gauge zip cord:
>
> o Characteristic impedance: 105 ohms
>
> o Losses: Abt 4 dB per 100 ft at 20 meters (high, not much better
> than RG-174).

However at 50 feet the loss is 2db and perfectly acceptable. Even less loss for 30, 40 and 80 meters. I would shudder at what the losses would be for 10 meters at 50 or 100 feet however. ;-)

Happy Holidays and 73!

Jeff

=====
AB6MB
Stop censorship on mailing lists!
NorCal QRP Club #65, QRP-L #1780, ARCI 10071
Radical FIST Member 6798

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Date: Mon, 18 Dec 2000 17:45:57 -0500
From: "Victor Blackwell" <victor@brecnet.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [86635] Free Software
Message-ID: <001c01c06944\$4a498a40\$375730d1@victor>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

"If PSK31 software had cost 5 bucks it would had never appeared on the Ham Bands."

Date: Mon, 18 Dec 2000 18:00:21 -0500
From: "John J. McDonough" <wb8rcr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [86636] Re: Balanced Feeds
Message-ID: <008b01c06946\$544c7d20\$010044c0@baycty1.mi.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

John

Check out your rig first. While lamp cord may very well work, it is likely to be poorer than even old coax with respect to SWR changing with the breeze, unless there is a real problem like a broken center conductor in the coax.

But a lot of the time, the SWR dancing around is an indication that there is an unwanted parasitic in the rig. A significant, off-frequency spur isn't likely to be on a resonant frequency of the antenna system and will appear as a high SWR. If there's some instability, it will tend to be somewhat erratic, too.

72/73 de WB8RCR <http://members.home.com/wb8rcr/index.htm>
didileydadidah QRP-L #1446 Code Warriors #35

----- Original Message -----

From: "Shelly Somerville" <somerville@uniserve.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Monday, December 18, 2000 12:54 PM
Subject: Balanced Feeds

> Just recently I've had problems with my SWR jumping all over the place
> from 1:1 to 3:1 and back. The coax is old but has spent most of its
> time inside. I have rechecked my solder joints and everything looks
> OK. I was thinking of installing a balanced feed and making my own
> balanced line of 50 ohms. On doing the impedance calculation it looks
> as though lamp cord would do the trick. Comments?
>
> 73 John VE7CFG
>
>

Date: Mon, 18 Dec 2000 15:00:15 -0800
From: Mike Gipe <mgipe@reliablemeters.com>
To: k7qo@primenet.com, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [86637] RE: [INFO NEEDED] LEDS from Mouser and solder
Message-ID: <F988E2FF74F4D111A61F00A0C949D7A928F2B5@mission>
MIME-Version: 1.0
Content-Type: text/plain;
charset="windows-1252"

Chuck --

Be careful that what you get is what you want. High-brightness LEDs are one of those things where you have to look carefully at the spec sheet. Many LEDs with high radiance numbers achieve them by changing the diffuser/lens to produce a narrower light beam; thus the peak intensity is higher, but high-brightness is only achieved over a narrow viewing angle. This may be exactly what you want if you are trying to back-light a panel legend, but may not be very useful if you are building a sunlight readable automobile dashboard.

Take a few minutes to peruse HP's (oops, Agilent's) specs on LEDs:

<http://www.semiconductor.agilent.com/led/>

Then figure out what best fits your application. The one line description in a Mouser catalog does not tell the whole story.

gl,
Mike K1MG

Date: Mon, 18 Dec 2000 16:10:05 -0700
From: Dan Tayloe <dtayloe@home.com>
To: qrp-1 <qrp-1@Lehigh.EDU>
Subject: [86638] Re: QRP+ Whacked by Static Discharge
Message-ID: <3A3E994D.2232C799@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I have eliminated static discharge in my antenna system by connecting a 100 uH choke from the antenna input to ground in all my rigs. With a DC connection to ground, and with the rig itself grounded, static does not have an opportunity to build up. I have not had a problem since I started doing this.

- Dan Tayloe, N7VE; Phoenix, AZ; Az ScQRPions

Date: Mon, 18 Dec 2000 15:13:27 -0800
From: Marv Fagenson <k6hcj@juno.com>
To: qrp-1@Lehigh.edu
Subject: [86639] NorCal 20 mods (tick/afa output)
Message-ID: <20001218.151329.-264791.0.k6hcj@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Semantics is my problem-I plain old don't understand--
Larry East calls out "the junction of C96 and C101 to the wiper of VR 4...". Is this The Bottom of Both AFA/Tick pots or should this read "C96 and C 104...VR 4". This is the common trace on the sidetone line and the only 2 green caps in the radio. Basically-C96/C101 or C96/C104?
Seasons Greetings!
Tnx, 72
Marv Fagenson
k6hcj@Juno.com

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<http://dl.www.juno.com/get/tagj>.

Date: Mon, 18 Dec 2000 16:20:48 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Victor Blackwell <victor@brecnet.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [86640] Re: 7040
Message-ID: <Pine.LNX.4.31.0012181618170.3103-1000000@cannac.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

That is correct. Angle modulation is quite old. But PSK31 is just 5 years old. And I'm still a user of the CB band. It's a bunch better for local information! I found that 2 and 70cm repeaters have nobody on them.

On Mon, 18 Dec 2000, Victor Blackwell wrote:

> PSK been invented long before you were even a CBer.
>
>
> -----Original Message-----
> From: Karl F. Larsen <k5di@zianet.com>
> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
> Date: Monday, December 18, 2000 5:08 PM
> Subject: Re: 7040
>
>
> >On Mon, 18 Dec 2000, Victor Blackwell wrote:
> >
> >> Who picked this? They obviously do not listen to 40 M from the states.
> I
> >> know PSK has been around for over sixty years, but where will it be in
> five?
> >
> > PSK was invented 5 years ago.
> >
> >
> >Yours Truly,
> >
> > - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
> >
>
>
>

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Mon, 18 Dec 2000 18:28:23 -0500
From: "Victor Blackwell" <victor@brecnet.com>
To: "Karl F. Larsen" <k5di@zianet.com>
Cc: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [86641] Re: 7040
Message-ID: <001401c0694a\$51b9c780\$455730d1@victor>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

He he, how did I know?

-----Original Message-----

From: Karl F. Larsen <k5di@zianet.com>
To: Victor Blackwell <victor@brecnet.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Monday, December 18, 2000 6:10 PM
Subject: Re: 7040

>

>That is correct. Angle modulation is quite old. But PSK31 is just 5 years
>old. And I'm still a user of the CB band. It's a bunch better for local
>information! I found that 2 and 70cm repeaters have nobody on them.

>

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>

>> PSK been invented long before you were even a CBer.

>>

>>

>> -----Original Message-----

>> From: Karl F. Larsen <k5di@zianet.com>

>> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

>> Date: Monday, December 18, 2000 5:08 PM

>> Subject: Re: 7040

>>

>>

>> >On Mon, 18 Dec 2000, Victor Blackwell wrote:

>> >

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states.
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>> >Yours Truly,
>> >
>> > - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
>> >
>>
>>
>>
>
>Yours Truly,
>
> - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
>

Date: Mon, 18 Dec 2000 15:28:19 -0800
From: Phil Wheeler <w7ox@earthlink.net>
To: fantbb@yahoo.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [86642] Re: Balanced Feeds
Message-ID: <3A3E9D93.FB50A3D2@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Jeff wrote:

>
> --- Phil Wheeler <w7ox@earthlink.net> wrote:
> > some 18-gauge zip cord:
> >
> > o Characteristic impedance: 105 ohms
> >
> > o Losses: Abt 4 dB per 100 ft at 20 meters (high, not much better
> > than RG-174).
>
> However at 50 feet the loss is 2db and perfectly acceptable. Even less
> loss for 30, 40 and 80 meters. I would shudder at what the losses

> would be for 10 meters at 50 or 100 feet however. ;-)
>

Very true .. but there is still the 100 ohm impedance to deal with, if that's what it really is :-;

73, Phil

Date: Mon, 18 Dec 2000 18:36:52 -0500
From: "Victor Blackwell" <victor@brecnet.com>
To: <k5di@zianet.com>, "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [86643] Re: 7040
Message-ID: <001501c0694b\$66db84e0\$455730d1@victor>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The FCC sure blew it when they took 11 meters from the hams and tried to reserve it for local communications. I bet that was a political decision and not a matter for those familiar with communications engineering. The FCC is overwhelmed and "we" hams have been paying ever since. Bans on amps, reputation, etc.. 11 meters has been bad news. Even Rommel in his North African campaign communications were compromised because he did not understand enough about radio propagation. His comms were monitored in New Jersey.

-----Original Message-----
From: Karl F. Larsen <k5di@zianet.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Date: Monday, December 18, 2000 6:11 PM
Subject: Re: 7040

>
>That is correct. Angle modulation is quite old. But PSK31 is just 5 years
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>
>> PSK been invented long before you were even a CBer.

>>
>>
>> -----Original Message-----
>> From: Karl F. Larsen <k5di@zianet.com>

>> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
>> Date: Monday, December 18, 2000 5:08 PM
>> Subject: Re: 7040
>>
>>
>> >On Mon, 18 Dec 2000, Victor Blackwell wrote:
>> >
>> >> Who picked this? They obviously do not listen to 40 M from the
states.
>> I
>> >> know PSK has been around for over sixty years, but where will it be in
>> five?
>> >
>> > PSK was invented 5 years ago.
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>> >
>> >Yours Truly,
>> >
>> > - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
>> >
>>
>>
>>
>
>Yours Truly,
>
> - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
>

Date: Mon, 18 Dec 2000 15:52:18 -0800
From: "J. D. Spittle VE7QK" <jds@vcn.bc.ca>
To: qrp-1@Lehigh.EDU
Cc: Thaire Bryant <tbry37@ici.net>, ki6ds@dospalos.org
Subject: [86644] Epiphyte-3 help
Message-ID: <3.0.6.32.20001218155218.007b1880@mail.vcn.bc.ca>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Thaire:

Start with the LF oscillator. The passband of the SSB filter is quite narrow and the 455KHz resonator (X1) must be "pulled" to oscillate at 452.7KHz +/-2KHz by adjusting C56 for the audio to sound natural. The 9th

harmonic at 4.074MHz can easily be heard on a communications receiver by plugging a test lead into the antenna connector and bringing the other end close to the oscillator. "Amateur band only" receivers usually tune at least 100KHz above 4.0MHz.

Some builders have reported difficulty in making the resonators tune low enough in frequency. They do not all appear to have come from the same manufacturer and the allowable tolerance on the capacitors could account for this. Adding a 22pF COG/NPO capacitor in parallel with C49 cured the problem. I found this necessary in only one of the four EP-3s I have assembled.

I did receive a report from one builder who was unable to get the LFO to oscillate anywhere close to frequency until he replaced the "white" resonator provided with a "blue" one. I am wondering if anyone else has experienced the same problem. What color is the resonator you have Thaire?

Tuning L6. The output from the SSB filter is "upper" sideband. The VFO must therefore tune 452.7KHz "higher" than the signal frequency in order to receive and transmit "lower" sideband. In other words, to receive a signal at say 3.85MHz, the VFO will be about 4.3MHz. If you do not have a general coverage receiver with which to monitor this then screw the ferrite core of L6 right into the coil. Connect an 80M antenna (not just a piece of wire!) and speaker. Then slowly unscrew it (anticlockwise) back into the coil lowering the frequency. The receiver noise will noticeably increase as soon as you are in the ball park and you should then be able to read SSB stations clearly. You might possibly have overshot the mark and wound up with the VFO "lower" than the signal frequency. The slug should wind up about 1/8" below the top of the can.

Tuning L5. The receiver input is quite broad and the lowpass filter and resonant antenna add some selectivity. Switch off the AGC (i.e. remove D5) and peak the noise at the centre of the portion of the band you have selected.

Have fun. Derry

On Sunday, December 17th, 2000, W2APF wrote:-

>
> I've got my Epiphyte 3 to the testing stage, and have
> picked up CW and garbled SSB on the receive, I don't think
> I did a good job on the tuning. Can anyone give me some
> hints on the tune up of LF oscillator, L6 and L5?
>
> I don't have much test equipment...just a digital multimeter
> and another transceiver (K2, es TS940).
>
> Thanks in advance,
> Thaire W2APF

>

End of QRP-L Digest 2040
